

SECTION ON NEONATAL-PERINATAL MEDICINE

NEWSLETTER - Summer 2019



American Academy
of Pediatrics



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Section on Neonatal-Perinatal Medicine

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The National Neonatology Curriculum – An Introduction and Work-In-Progress Report

Allison Payne MD, MS, FAAP and Heather French MD, MEd, FAAP

Every Neonatal-Perinatal Medicine (NPM) fellowship program faces the same mandate from the American Board of Pediatrics (ABP): To train the next generation of neonatologists who can provide evidence-based clinical care; critically appraise information; problem solve; and of course, pass the ABP NPM board exam. Older methods of teaching, including the ever-present narrated PowerPoint presentations, are not optimally meeting the needs of NPM fellowship trainees and create a significant faculty time burden to create and/or update. At the fall 2016 ONTPD meeting, the National Neonatology Curriculum Committee (NNCC) was formed by like-minded program directors and associate program directors to address shared concerns surrounding the development, maintenance, implementation, and effectiveness of educational materials for NPM fellowship training. The NNCC seeks to streamline educational efforts nationally by developing standardized, high-quality, peer-reviewed educational materials to meet ABP educational mandates.

The NNCC has two missions: (1) Improve the quality, consistency, and efficiency of neonatology education by creating freely accessible, peer-reviewed, adult learning-grounded, ABP content-focused educational materials. (2) Create a collaborative of academic educators who will advance the science of teaching and learning to improve the quality of neonatal care.

The NNCC is currently developing a physiology curriculum using flipped classroom (FC) methodology. FC is an educational strategy aligned with adult learning theory that is associated with improved learner acceptance, engagement, satisfaction, and knowledge acquisition. The National Neonatology Curriculum employs pre-class online videos and in-class faculty-facilitated group

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discussions of clinical cases highlighting physiologic concepts taught in the videos. Rather than a passive didactic lecture, class time is spent actively analyzing and applying learned concepts to clinical cases, providing clinical context and relevance of physiological principles. In the FC, active learner engagement promotes development of higher level cognitive skills which are critical for lifelong learning in medicine.

Our pilot data, collected from five participating institutions and published in 2018 (PMID 30087455), showed that 91% of fellows felt that the FC modules were superior or far superior to their traditional didactic activities. Both learners and educators found the educational materials to be relevant and the class discussions engaging. Learners reported compliance with completion of pre-class activities and educators noted a decrease in time required to prepare for class. Currently, a randomized controlled trial, which enrolled 63 US NPM fellowship programs and >500 fellows, is comparing knowledge retention and learner/educator preference for FCs versus standardized didactic lectures. This RCT will complete data collection in September 2019. Additional efforts are underway to identify best practices in FC facilitation to aid faculty with engaging in and adopting this educational modality.

The National Curriculum educational materials are freely available online at www.mededonthego.com (search term “Neo Flip”). Each physiology topic contains short videos as well as a downloadable transcript, slide set narrated by a neonatologist, and FC learner and facilitator guides. To date, the NNCC has published 18 respiratory physiology modules. Educational materials covering GI/Bilirubin topics currently being used in the RCT will be made publicly available in October 2019. MFM and ECMO materials are under development and recruitment for Neurology, Nutrition, Genetics, QI, Nephrology, and Neurodevelopment topics is starting. A complementary simulation curriculum is also under development to reinforce important physiological concepts for learners and is expected to be available fall of 2019. The NNCC intends to provide educational materials covering all areas of the ABP NPM Educational Content Outline over the next few years and interested neonatologists are always welcome to join the effort. Additional information is available on the ONTPD’s website.

The NNCC is especially grateful for the support of the Executive Committees of ONTPD and SoNPM. The NNCC has partnered with *NeoReviews* and Drs. Dara Brodsky and Camilia Martin to use some of their published educational materials to augment the National Curriculum. Members of the NNCC are Heather French (Co-Chair), Megan Gray (Co-Chair), Rita Dadiz (Vice Chair), Maria Gillam-Krakauer (Vice Chair), Susan Izatt (Vice Chair), Liz

Bonachea, Melissa Carbajal, Patty Chess, Alison Falck, Lindsay Johnston, Heidi Karpen, Allison Payne, and Margarita Vasquez. Fellow members are Carly Gisondo and Annamarie Arias-Shah.

The NNCC welcomes faculty and mentored fellows interested in authoring or editing modules to contact its Co-Chairs Dr. Heather French (frenchh@email.chop.edu) or Dr. Megan Gray (graym1@uw.edu) with specific content areas of interest/expertise. This is an excellent opportunity for national education involvement and scholarship.

National Association of Neonatal Nurses (NANN) and National Association of Neonatal Nurse Practitioners (NANNP) Report

**Erin Keels DNP, APRN-CNP, NNP-BC
Parent/Family Education**

The NANN website offers a variety of parent and family educational and support resources. *Baby Steps to Home* is the first standardized, evidence-based discharge pathway designed for nurses. This free online resource is available to all hospitals across the country:

<http://babystepstohome.com/>. NANN also has resources for neonatal families as part of the *Advances in Neonatal Care: Family Teaching Toolbox*.

<http://nann.org/education/educational-products/family-patient-education-products>. An extensive list of topics are included such as newborn jaundice, preventing RSV infection, guide for breastfeeding your premature baby and many others.

Additionally, the following links and other resources are available through the NANN website:

- *Hand to Hold* matches seasoned parents of preemies with those in need of support.
- *Becoming a Parent in the NICU*, developed by March of Dimes, is a resource for parents during and after the NICU stay.
- *March of Dimes: The Newborn Intensive Care Unit* offers an overview of the NICU experience for new neonatal parents.
- *Support for NICU Parents*, developed by the National Perinatal Association, provides parent and professional resources for digital NICU family support.
- *Preemie Parent Alliance* is a network of organizations offering support to families of premature infants.
- *Abbott Nutrition Health Institute* houses information and professional education materials on nutrition and other related neonatal topics.
- *Baby First*, supported by Draeger, is an education and information resource for parents and clinicians in many aspects of neonatal care.

- *Mead Johnson Nutrition Nurse Connections* is a nutrition related professional education and patient education tool

Neonatal Nurse Education and Clinical Resources

The 2019 NANN Research Summit was held in Scottsdale, AZ, March 26-28, 2019. Approximately 20 neonatal nurses and APRNs participated in this program to share and gain feedback on their research and quality improvement projects. For more information about the 2020 Summit: <http://nann.org/education/research/research-summit>

The Small Grants Mentee/Mentor Program accepts applications from NANN members interested in developing their research skills and/or initiating their own research study or evidence-based practice (EBP) project. For more information: <http://nann.org/education/research/small-grants>

Interested in submitting a research survey? NANN members can distribute surveys to thousands of neonatal nursing professionals by reviewing this link for instructions and completing the application form for approval: http://nann.org/uploads/Education/2019_Research_Survey_Instructions_and_Application_Form.pdf. Disclaimer: NANN is not an active sponsor nor participant of approved research surveys. NANN does not collect nor monitor survey data related to approved research surveys. It is the sole responsibility of the researcher to collect the data for his/her survey. In addition, NANN is unable to share member contact information with researchers.

The 34th Annual NANN Education Conference was held on October 17-20, 2018 in Anaheim, CA. Some of the 2018 conference topics may be purchased individually or as a bundle of four topics together. Available topics include one CNE contact hour each: Minimally Invasive Fetal Surgery for Neural Tube Defects, 2018 Neonatal Evidence-Based Skin Care Guidelines, The Surprising Value of a Physical Assessment in the Age of Technology, The Genomics-Enabled NICU of the Future.

Best of NANN session recordings make a great group educational opportunity for unit learning, lunch and learns, or chapter events. For special group pricing, contact NANN Member Services at (800) 451-3795 or info@nann.org

The 35th Annual Educational Conference will be held in Savannah, GA, October 9-12, 2019. Topics include: Incorporating EBP into Clinical Practice, Addressing the Needs of LGBTQ Families in the NICU, Diversity in NNPs, How Trauma and Bias Impact Communication in the NICU, and new and/or revised clinical practice policies or guidelines such as Early Onset Sepsis. For more information: <http://nann.org/education/annual-meeting/annual-meeting>

Policies, Procedures, and Competencies for Neonatal Nursing Care: Second Edition furthers NANN's commitment to evidence-based nursing and provides strong support to neonatal nurses and neonatal nurse practitioners as they seek to give the highest quality of care to vulnerable patients. For more information: <http://nann.org/publications/e-news/september2018/product-spotlight>

Essentials of Neonatal Nursing Orientation Lecture Series® provides a comprehensive orientation to neonatal nursing care that helps new nurses identify basic elements of the NICU patient's physiology and pathophysiology and apply necessary nursing interventions. For more information: <http://nann.org/publications/e-news/july2018/product-spotlight>

Advocacy

NANN provides education and support for neonatal nurses and APRNs to engage in legislative advocacy through these helpful toolkits:

http://nann.org/uploads/About/1.5.3.1_Federal_Health_Policy_Advocacy_Toolkit.pdf

http://nann.org/uploads/About/1.5.3.2_State_Advocacy_Toolkit.pdf

NANN, partnering with the Nursing Organizations Alliance, sponsored two NANN members to attend the three-day Nurse in Washington Internship program in Washington, DC, March 24-26, 2019. For more information: <https://www.nursing-alliance.org/Events/NIWI-Nurse-in-Washington-Internship>

NANN is monitoring and supporting a number of legislative issues such as the MOMMA Act, the future of the Affordable Healthcare Act, the Home Health Advocate Bill and the National Nurse Act of 2017.

Professional Development

NANN has developed a customizable collaborative practice template that can be modified to meet the needs of each academic healthcare partner and APRN preceptors/mentors:

http://nann.org/uploads/Publications/enews/2018/Collaborative_Practice_Guideline.pdf

NANN/NANNP is developing a national guideline for APRN staffing in NICUs. The goal is to create a staffing guideline that will describe NICU patients the APRN (NNP, PNP, FNP) may care for based upon the education, certification and degree awarded in their population focus area. This document will contain the necessary information needed by an APRN when deciding to accept a position that includes providing care to the NICU patient, and will assist administrators in making staffing decisions.

Getting to Know ... Brian Hackett MD, PhD, FAAP District IV Representative



Medical School and Training: I completed a PhD in biology at Boston College before attending medical school at St. Louis University School of Medicine. My pediatric residency was at St. Louis Children's Hospital followed by neonatal-perinatal medicine fellowship at Washington University School of Medicine.

Current Position: I am currently a Professor in the Department of Pediatrics at Vanderbilt University Medical Center (after 25 years on the faculty at Washington University School of Medicine). I am Associate Division Director in the Mildred Stahlman Division of Neonatology, the Neonatal-Perinatal Medicine Fellowship Program Director, and the acting Medical Director of the NICU at Vanderbilt.

Family: I have three wonderful children: Alice who will be starting a pediatric cardiology fellowship in July, David who does something in IT that I don't understand, and Rachel who does public health research.

What Would People Be Surprised to Learn About You? My PhD thesis work was on the hormonal regulation of leaf senescence.

Favorite Vacation of All Time: It is hard to pick a favorite, but one that always seems to come to mind is on Block Island (off the coast of Rhode Island) with family and friends.

If You Weren't a Neonatologist, You Would Be ... A plant biologist.

Best Advice for Early Career Neonatologists: Find mentors who can help you navigate the early stages of your career. We want you to succeed!

What Book(s) Are You Reading Right Now? The first volume of Robert Caro's biography of Lyndon B. Johnson: *The Years of Lyndon Johnson, The Path to Power*. Lyndon Johnson was such an amazingly complex and interesting figure, combining the most ruthless political ambition with a progressive vision.

Most Important Thing You Have Learned in Your Career: Always listen to the nurses and mothers.

Best or Favorite Childhood Memory: The waves and the dunes at Marconi Beach in Wellfleet, MA with my parents and brother.

Your Hidden Talent: It's so hidden, even I haven't found it yet!

The Best Thing About Where You Live: Nashville has every type of live music (not just country) that you could ever want to listen to. Ryman Auditorium is the best place to hear live music.

I've Recently Been Inspired By ... I'm always inspired by the families in our NICU.

Favorite Movie: Hard to name just one but let's say...*The Big Lebowski*. I laugh out loud no matter how many times I've seen it and it's endlessly quotable. "You're not wrong Walter..."

Favorite Way to Relax After a Hard Day: Watching an old movie or listening to music.

Do You Collect Anything? I'm not sure I collect anything but I sure do seem to have a lot of books and record albums around the house.

Organization of Neonatal-Perinatal Training Program Directors (ONTPD) Update

Kris Reber MD, FAAP

We had great attendance for our ONTPD meeting at the Pediatric Academic Societies meeting in Baltimore. This meeting provides a forum for program directors to discuss innovative scholarly activity opportunities for trainees. We heard updates related to research in large network and quality improvement databases (Children's Hospital Neonatal Database and Vermont Oxford Network), simulation research (InSpire) and global health. We will continue some of these discussions during our annual meeting at the AAP NCE in New Orleans this fall.

Our ONTPD sub-committees remain active and continue to work on initiatives to support our Program Directors/Associate Program Directors (PD/APDs):

National Curriculum (Chair Heather French) This committee has been very active in the development of curriculum using the flipped classroom approach including a randomized control trial including many neonatal fellowship programs. Please see a complete update in a separate article in this SoNPM Newsletter.

Standard Forms Committee (Chair Heidi Karpen) Standard forms (evaluation, scholarship oversight review, etc.) that are useful for PD/APDs will continue to be uploaded to the ONTPD website. Please email Heidi Karpen (Heidi.karpen@emory.edu) if you have forms that you think would be useful to other program directors.

Program Director and Associate Program Director Mentorship Committee (Chairs Melissa Carbajal and Cathy Bendel) More than 20 mentors have been paired with mentee neonatal fellowship PDs. If you are interested in serving as a mentor or would like to be paired with a mentor, please contact Melissa Carbajal (mmcarbaj@bcm.edu).

Website Committee (Chair Patrick Myers) We continue to update the ONTPD website, optimizing the resources for PDs. The website now provides helpful resources including a timeline for PD/APDs outlining important dates, links to relevant sites, a list/link of the neonatal fellowship programs in the US, standard forms, and lists of fellow opportunities including neonatal divisions that are currently in the process of hiring faculty. Please email any suggestions for improvement or updated program information to Patrick Myers (pmyers@luriechildrens.org). ONTPD website: <https://www.aap.org/en-us/about-the-aap/Committees-Councils-Sections/Neonatal-Perinatal-Medicine/Neonatologist/Pages/ONTPD.aspx>

A survey was sent out to all PDs this summer addressing topics of interest including curriculum, call structure, clinical and research requirements, approach to procedure

competency and more. If you have not completed this survey or need access, please contact Lindsay.Johnston@yale.com. We hope to share the results at the annual fall ONTPD meeting.

Dates to Remember: All will take place in New Orleans in conjunction with the 2019 AAP NCE this fall. Agendas and meeting locations will be sent out soon.

Annual Neonatal-Perinatal Fellowship PD/APD Bootcamp, October 24th, 3pm-6pm
Annual ONTPD Reception, October 24th, 6pm-9pm (immediately following Bootcamp)
Sponsored by Abbott Nutrition
ONTPD Annual Meeting, October 25th, 9am- 4pm

MidCaN Update

Dena K Hubbard MD, FAAP

The Mid-Career Neonatologists (MidCaN) subgroup of SoNPM met in Scottsdale on the Friday morning of the Workshop on Neonatal Perinatal Pediatrics. This was a working meeting and our growth and development is right on track. Thanks to the SoNPM leadership for their continued support.

The focus area for MidCaN in 2019-2020 will be **leadership development**. MidCaN will be hosting quarterly webinars starting August 13th with our inaugural webinar, "Setting Career Goals and Defining Your Success" presented by Steve Olsen and Mary Anne Jackson. Many mid-career neonatologists are feeling comfortable. Fellowship is over, the board exam has been passed, and the work schedule of a neonatologist has become routine. But looking toward the future, some may find themselves struggling with work-life balance, leading without any formal leadership skills or training, grappling to find purpose and meaning in the current healthcare environment, questioning how best to contribute to their current group practice, considering promotion but confused on how to get there, or deciding what legacy they want to leave when they retire. We hope that this webinar will help you do the following: Better define your career goals, know how to navigate barriers to success, recognize stressors/caring for self, and formulate a plan for negotiating a faculty position that makes you happy. Save the date August 13, 2pm (central time) and stay tuned for more information by email. Subsequent webinar topics include developing your leadership skills, creating an elevator speech, leading QI efforts, and fiscal planning for physicians. Make sure to share with your colleagues and institutions, as these webinars are not limited to MidCaN or even SoNPM members. Leadership resources are coming soon to a collaboration site near you, check out collaborate.aap.org/SONPM!

Mid-career neonatologists are on the move! Two MidCaN members were elected to the SoNPM Executive Committee as their district representatives. Congratulations to Alexis Davis (IX) and Josh Petrikin (VI)!

We are actively searching for opportunities to engage MidCaN-eligible members in Section activities. Kate Stanley has recently joined the AAP Coding Committee. Tara Randis and Trent Tipple have been named to the SoNPM Research Committee. MidCaN members Kurlen Payton, Fola Kehinde, Ish Gulati, Tara Randis, Dan Malleske, and Josh Petrikin have been reviewing questions to ensure agreement with published AAP policy for the upcoming book, *NeoReviews Study Guide*. Munish Gupta has organized the SoNPM Quality Task Force and has included several MidCaN members in this work. We thank the SoNPM NCE Planning Committee for including MidCaN members as session moderators. A new opportunity is coming this fall: MidCaN members will be responsible for reviewing, editing and creating content related to neonatology for HealthyChildren.org starting in October.

MidCaN subcommittees are dividing and conquering. If you have an interest in joining one of these committees, please email MidCaN Co-Chairs Alexis Davis asdavis@stanford.edu and Dena Hubbard dkhubbard@cmh.edu.

Committee leaders are as follows:

Leadership/Career Development: Heather Kaplan, Dena Hubbard

Mentorship: Bolaji Famuyide, Kurlen Payton, Dan Malleske

Physician Wellness: Fola Kehinde, Dena Hubbard

Advocacy: Tara Randis, Josh Petrikin

QI: Munish Gupta

If you are a mid-career neonatologist 7-17 years out of fellowship, you are MidCaN! There is no extra cost to your AAP/SoNPM membership to participate in MidCaN activities. Email us to join the listserv and we'll keep you up to speed on resources and opportunities within the Section and AAP. Current structure includes ten district representatives (districts as defined by AAP), and a goal of having two representatives for each state (one in academic practice and one in community practice). We want YOU to be involved in MidCaN! Contact your district representative if you are interested in learning more.

MidCaN District Representatives:

District 1: Eric Horowitz (horowite@gmail.com)

District 2: OPEN

District 3: Kate Gibbs (gibbska@email.chop.edu)

District 4: Ramesh Krishnan (rkrishn4@uthsc.edu)

District 5: Dan Malleske

(Daniel.malleske@nationwidechildrens.org)

District 6: Josh Petrikin (jepetrikin@cmh.edu)

District 7: Mobolaji Famuyide (mfamuyide@umc.edu)

District 8: OPEN

District 9: Kurlen Payton (kurlen.payton@cshs.org)

District 10: Trent Tipple (ttipple@peds.uab.edu)

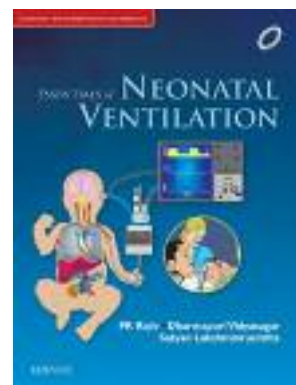
Going forward, MidCaN will have one "official" meeting each year at the spring Scottsdale meeting, with informal social gatherings at other meetings (PAS, NCE, regional meetings). Tara Randis served as the unofficial Social Chair and organized a social event at PAS. We plan to do more virtual meetings online as well as create a monthly "Newsflash" that will be emailed to the listserv. Andi Duncan, Eric Horowitz, Bolaji Famuyide, and Dan Malleske are in charge of content, so please send any MidCaN relevant announcements to them. If you would like to join the MidCaN listserv or are interested in applying to be a MidCaN District Representative, please email Alexis Davis (asdavis@stanford.edu) and Dena Hubbard (dkhubbard@cmh.edu).

Book Review

Essentials of Neonatal Ventilation

Tonse N. K. Raju, MD, DCH, FAAP

Those of us working every day in the NICU might not have perceived the magnitude of changes in the practice of neonatal ventilation over the past decade. The improvements have been continuous, cumulative, and insidious. Thus, an occasional "moonlighter" entering the NICU after a ten-year gap might feel like being in a scene from the science fiction thriller *Black Panther*.



He would urgently need to learn using unfamiliar devices and acronyms: NCPAP, Bi-Phasic CPAP, NIPPV, NHFJV, HFNC, HFOV and more. There are new drugs to handle, such as Diltiazem, Tadalafil, Dipyrindamole, Bosentan, and Milrinone, and would need to re-learn the new uses for old remedies like caffeine, Tylenol, hydrocortisone, and Sildenafil. He would have to unlearn use of 100% oxygen for resuscitation and forget oropharyngeal suction at the perineum or intubation and suction of the airway to remove thick meconium. No routine surfactant followed by automatic ventilator use, and no chest percussion and vibration to remove secretions every 2 hours.

How should one get a quick update on all these and more? *Essentials of Neonatal Ventilation* brilliantly fits the bill. Edited by the well-known and respected neonatologists, Drs. P.K. Raju, D. Vidyasagar, and S. Lakshminrusimha, this volume has contributions from 89 experts from 13

countries including Australia, Canada, China, Egypt, Germany, India, Italy, Oman, Qatar, Spain, UAE, United Kingdom, and the United States.

The book is presented in eight sections with 40 chapters. Most chapters are under 20 pages - laudable brevity. Starting with the history of the evolution of neonatal ventilation and ending with chapters on developmental follow-up, ethical issues, and reference values, the book chapters cover multiple aspects of ventilatory care. When appropriate, the chapters offer illustrative case studies with superb and plentiful x-ray images.

Each chapter begins with a "Chapter Contents Headline" and a listing of "Chapter Points" followed by easily understandable and lucid text. Separate chapters deal with clinical management of specific pulmonary and cardiac disorders including shock. Two full sections with 31 chapters deal with ventilators and ventilatory care, describing types of conventional mechanical ventilators, high-frequency ventilation, NAVA, and non-invasive ventilatory techniques among others. Developmental and physiological underpinnings are provided along with practical step-by-step approaches for setting up mechanical ventilators, monitoring infants, weaning from ventilators, and handling unexpected deteriorations.

In the "Ancillary Services" section, we read about the management of airways, tubes, catheters, suctioning and other very important nursing care issues. On the book's electronic pages, one has access to videos and lectures on sustained lung inflation, CPAP, SNIPPV, NAVA, ECHO, and pulmonary graphics. All in all, the book is a superbly comprehensive volume.

There are eye-catching illustrations rendered by Dr. Lakshminrusimha, co-editor, and an accomplished professional artist and cartoonist in his own right. For Satyan, spending several months drawing more than 200 pictures must have been a labor of love. While a rare drawing may seem "cartoonish" (e.g., Fig 26.8, a baby with differential cyanosis), such occasional exuberance is pardonable, especially since we learn so much with the help of so many illustrations. Superb examples are: Fig. 7.1 (page 70) depicting the "old" and the "new BPD", Fig 9B.5 (page 118) on mucociliary clearance, Fig 14.5 (page 212) on barotrauma in infants with heterogeneous lung disease, and Fig. 25A.3 (page 419) about the cellular mechanisms in the pathology of meconium aspiration syndrome. These are proof that brilliant pictures in this volume are worth more than thousands of words!

This is one of the best books on neonatal ventilation I have read. A copy of this should be in each NICU, securely chained to a table. It should be required reading for residents and neonatal fellows, respiratory therapists, the neonatal nursing staff, and yes, for the academic and practicing neonatologists to learn, teach, and manage infants requiring ventilatory care.

If I had neonatology fellows, I would gift each of them with a copy of this book for Christmas or the New Year - alas, I have none.

Rajiv PK, Vidyasagar D, and Lakshminrusimha S, Editors. *Essentials of Neonatal Ventilation, 1st Edition*. Elsevier Health Sciences, 2018.

Hardcover: \$49.14, E-book for Android and other devices: \$38.14 @Amazon.com.

In India, ₹ 2,280 on amazon.in.com, or from indiacontact@elsevier.com.

Section Sponsored Fellow Conferences Offer Education, Networking and Career Development

Ann R Stark MD, FAAP

The Section Education Committee continues to support highly successful national and regional conferences for fellows. All meetings include state-of-the-art talks by distinguished faculty and networking time with faculty and the other attendees. The national conferences held in Santa Fe, NM and Scottsdale, AZ are clinically oriented; at those in Snowmass, CO and Bonita Springs, FL, fellows present their research in either a 10-minute platform presentation or a poster. The four regional conferences also provide an opportunity for fellow attendees to give a platform presentation of their research. Faculty provides written anonymous feedback on oral research presentations that attendees appreciate.

The conferences are organized by a three or four person planning group whose members typically plan two meetings during their term. In addition to senior and mid-career neonatologists, each national planning group includes a maternal-fetal medicine specialist, providing a perinatal perspective and also encouraging applications from MFM fellows. The universally glowing evaluations by attendees confirm that these conferences provide a wonderful learning and networking opportunity, a tribute to the efforts of the planning groups and the enthusiastic fellows who attend.

Career development is an important focus of these conferences. An informal career advice session is a key component of the agenda. These are typically organized

Save the Date!

44th Annual District VIII Conference
June 4-7, 2020
Santa Fe, NM
<http://www.district8perinatal.org/>

around fellows' questions and include topics such as when to begin the job application process, what to include in a cover letter, what to ask in an interview, and how to negotiate after a job offer. Fellows frequently ask about career trajectory and research funding, how to manage work and life issues, and bring up other concerns about how to move forward after fellowship. These discussions enable fellows to broaden their exposure by hearing about experiences of faculty outside their own program. In addition, networking with faculty and planning group members during coffee breaks, meals, and social activities has sometimes directly resulted in subsequent invitations to visit and offers of faculty positions.

Invitations to participate/submit abstracts are generally sent to Program Directors and Division Chiefs 3-4 months prior to the meeting. National conferences are limited to one fellow applicant per program selected by their Program Director. The national Perinatal and Developmental Medicine Symposia require an abstract with the application and attendees are selected by the planning group based on abstract quality. For the regional conferences, application also requires an abstract submission and any number of fellows may apply from each fellowship program.

These conferences are sponsored by unrestricted grants from Mead Johnson Nutrition (research conferences) and Abbott Nutrition (clinical conferences) to the AAP Section on Neonatal Perinatal Medicine. The programs are developed independently by the planning groups. The grants cover all related expenses for the fellows.

The 2019-20 meeting calendar:

National Conferences

- Fellows Seminar on Perinatal Pediatrics - Scottsdale, AZ - November 2-6, 2020
- Perinatal and Developmental Medicine Symposium - Bonita Springs, FL - November 20-23, 2019
- Fellows Seminar on Perinatal Pediatrics - Santa Fe, NM - June 1-5, 2020
- Perinatal and Developmental Medicine Symposium - Aspen/Snowmass, CO - June 4-7, 2020

Regional Conferences on Perinatal Research

(Programs in states and cities included in each region are listed in parentheses)

- Northeastern, held in Chatham, MA (NH, MA, VT, RI, CT, NJ, NY, Hershey and Pittsburgh PA) - October 16-18, 2019
- Western, held in Indian Wells, CA (WA, OR, CA, UT, HI, TX, OK, NM, CO) - January 8-10, 2020
- Southeastern, held in Clearwater Beach, FL (FL, GA, SC, AL, MS, TN, MD, VA, Washington DC, NC, LA, AR, Philadelphia PA) - January 29-31, 2020
- Central, held in Louisville, KY (MN, IA, IL, WI, OH, MI, IN, WV, KY, MO) - March 4-6, 2020

For additional information, contact Ann Stark, Chair, SoNPM Fellow Education Committee (astark@bidmc.harvard.edu) or Jim Couto, Director, AAP Hospital and Surgical Subspecialties (jcouto@aap.org).

Women in Neonatology (WiN)

Shazia Bhombal MD, FAAP for the WiN Steering Committee

WiN had another successful two gatherings this past spring, with the second annual meeting following the Workshop on Neonatal-Perinatal Practice Strategies in Scottsdale, AZ as well as a gathering at the PAS conference in Baltimore. At the Scottsdale meeting, the Steering Committee, comprised of Marilyn Escobedo, Shazia Bhombal, Clara Song, Christiane Dammann, Renate Savich and Krithika Lingappan, as well as new members to the Committee, Namrita Odackal, representing TECaN, and Lily Lou, opened the meeting with updates since the previous gathering at the NCE in the fall. Dr. Savich highlighted the disparities in salaries of women neonatologists from the 2019 publication by Horowitz, Feldman and Savich in the *Journal of Perinatology*. Dr. Dammann discussed the WiN resolution proposed at the AAP Annual Leadership Forum entitled, "Promoting Women in Leadership in Pediatrics," and Dr. Lingappan outlined the abstract titled, "Promoting Women in Leadership and Addressing Gender Disparities in Neonatology: Launch of Women in Neonatology," which was accepted at the Association of American Medical Colleges (AAMC) 2019 Group on Faculty Affairs Professional Development Conference to be held in Chicago from July 11-13. The meeting also included a presentation by Dr. Dena Hubbard entitled, "Put Your Oxygen Mask On First – Health and Wellness," which outlined the results of the wellness survey sent out to the SoNPM last fall and facilitated a discussion on addressing wellness and burnout. WiN Speed Dating was a popular event, providing an opportunity to meet colleagues one-on-one and discuss a variety of topics. Ten neonatology fellows were supported by the Section to attend the event and provided their valuable perspective and opinions to the meeting.

Dr. Christina Mangurian, Professor of Clinical Psychiatry at UCSF School of Medicine and the UCSF Department of Psychiatry's Vice Chair for Diversity and Health Equity, was the keynote speaker. Dr. Mangurian has authored numerous publications on gender inequality, and is a founding member of Times Up Healthcare. Her presentation focused on her article in the Harvard Business Review, "What is Holding Women in Medicine Back from Leadership," and was followed by a lively small group discussion, which generated needs and goals. These included achieving transparency at institutions

regarding topics including salary, recruitment, promotions, as well as leadership training, mentorship, networking, diversity, awareness and prevention of microaggressions, and creation of family-friendly policies.

WiN held a gathering at the PAS meeting in Baltimore, with over 40 women in attendance. The meeting demonstrated the enthusiasm and excitement for WiN, and we look forward to further discussions and networking at upcoming meetings. Our **upcoming WiN meetings** are at the **NCE meeting in New Orleans, Oct 27, 1-4pm** and in **Scottsdale, March 29-30**, following the SoNPM workshop. Topics to be addressed at future meetings include awareness and management of microaggressions, leadership, negotiation skills and financial health.

For further information regarding WiN and past newsletters, see the WiN website from the AAP webpage. To access website: AAP.org > click my collaboration site > login with AAP credentials > click on Section on Neonatal Perinatal Medicine collaboration site > hold over SECTION on top toolbar > bookmark site link for future use

WECaN - In Sickness and in Health

Stephen A Pearlman MD, MS, FAAP and Scott D Duncan MD, MHA, FAAP

The WECaN special interest group (Well-Experienced Career Neonatologists) held its third meeting at the Perinatal Practice Strategies meeting in Scottsdale on March 30. Despite beautiful weather outside, many individuals participated and there were several interesting presentations.

A brief business meeting was held. We discussed the listserv that has been created. Monique Phillips, who works with the Neonatal Perinatal Section at the AAP has helped get this up and running. If you are interested in being on the listserv, please contact Monique at mphillips@aap.org. Once you are part of it, you can upload content for others to see. A number of pertinent articles have been shared. We also now have a web page that you can access at: <https://www.aap.org/en-us/about-the-aap/Committees-Councils-Sections/Neonatal-Perinatal-Medicine/Neonatologist/Pages/well-established-career-neonatologists.aspx>. Suggestions for the webpage are welcome. At the business meeting, we also discussed future meetings including frequency and suggestions for content. At the current time, we are thinking of meeting twice a year, once at the NCE (in New Orleans this year) and at the Scottsdale Workshop. Please send your ideas for future topics to Stephen Pearlman (spearlman@christianacare.org) or Scott Duncan (scottd.duncan@louisville.edu).

Scott Duncan, the Secretary-Treasurer of WECaN, gave an outstanding presentation about opting out of night call.

Scott has done his due diligence and collected information from centers aside from his own through a survey tool. While several academic institutions allow a neonatologist to opt out of in-house night call, currently, there is no consensus as to how, or even if, one should be allowed to opt out of call at a certain age. As a corollary to this topic, we discussed assessment of competency. Although this subject was of great interest to the group, no conclusions were reached. As conveyed by people in the audience, there does seem to be some traction for assessing competency at some institutions. The group felt that self-awareness was a major ingredient and any assessment should be generalizable, focusing on professional practice evaluation.

The keynote discussion for our meeting was a presentation on when adverse health events impact your ability to practice (hence the title of this article). Three brave souls, Brian Carter from Children's Mercy, Marilyn Escobedo from Oklahoma University and Joanna Beachy from Northwell Health System, shared their experiences with health challenges that had a significant impact on their clinical and personal lives. Their frank perspectives on their struggles captivated the audience who also shared some of their own experiences. WECaN is so thankful to them for being willing to discuss these very difficult issues with our group.

We concluded the meeting with a mentoring session with members of TECaN (Trainees and Early Career Neonatologists) and MidCaN (Mid-Career Neonatologists). We broke into small groups at round tables, each with representation from each of the three groups. We did a mentoring exercise and robust discussions ensued. Those discussions continued at a social event that occurred following the meeting. This helped to build new friendships and *esprit de corps* amongst these groups who face different challenges at various stages of their careers.

We hope that if you are reading this and are over 50, or 18 or more years out of fellowship, you will sign up for the listserv and join us for our next meeting! More details to follow. In the meanwhile, have a fun, safe and relaxing summer.

2019 Spring Workshop Summary

Krithika Lingappan MD, FAAP

The 2019 Workshop on Neonatal-Perinatal Practice Strategies was held again this year at the beautiful DoubleTree Paradise Valley Resort in Scottsdale, AZ on March 29-31, 2019. The Planning Committee put together an exciting collection of speakers, interactive breakout sessions, and thought-provoking talks and workshops. The Workshop this year had record attendance. The meeting provided the attendees with the opportunity for

closer interaction with AAP leaders and speakers in an ideal setting. The topics were carefully selected to cater to a wide range of neonatology providers and all stages of neonatologists from trainees and early career to more senior neonatologists.

The meeting kicked off with the session on neonatal coding offered on Friday morning by Dr. Edward Liechty and group with a case-based discussion of various clinical scenarios as they relate to coding to billing. The session was interactive and well received by the audience.

Apgar Awardee Dr. Saroj Saigal presented the L. Joseph Butterfield Lecture on Friday afternoon titled, "Prematurity for Life." Dr. Saigal is a world-renowned expert on neonatal follow-up, especially as it pertains to health-related quality of life of premature neonates. Dr. Jochen Profit delivered an enlightening talk on "Addressing Disparities in NICU Care." The attendees were able to decipher how neonatology care providers can participate in finding and promoting solutions to disparities in care delivery. Drs. Haresh Kirpalani and Barbara Schmidt presented a joint talk on "Evidence-Based Neonatology: Trade-Offs between Benefits and Risks of Common Therapies." Then, Mark Del Monte JD, CEO/Executive Vice-President of AAP, provided an engaging update of national health care policies as they pertain to neonatologists. Dr. Mark Hudak, SoNPM Chair, delivered the Section update followed by the presentation of the 2018 AAP Landmark Award to Drs. Carol Baker and Ann Schuchat for their work on GBS prophylaxis.

Breakout sessions with early career, management or clinical focus in small groups were the focus on Saturday. Topics included: Combating health care provider burn-out in the NICU; benefits of delayed cord clamping; transfusion thresholds for premature neonates; implementing systems of care for NAS; developing a comprehensive, practical, and fiscally sound strategic plan for your NICU; oxygen saturation target ranges and alarm settings after the NEOPROM Trials; and a medical improv session for antenatal counseling.

The Saturday afternoon workshop entitled, "Beyond Extreme Prematurity: Management of the 22 to 23 Week Gestation Premature Infant" was led by Dr. Jonathan Klein (University of Iowa). The workshop reviewed their single center survival of premature neonates at 22-23 weeks gestation and examined the differences in culture and philosophy when caring for 22-23 week GA neonates. The workshop was one of the best attended in the history of the meeting and was very interactive.

The session from the Committee on Fetus and Newborn presented highlights on neonatal abstinence syndrome (NAS) and perinatal GBS prevention. Dr. Stephen Patrick talked on NAS and provided an update on the recent state and federal policy changes that may affect pregnant women with opioid use disorder and infants with NAS, and provided know-how for applying a model of care for NAS.

Dr. Stephanie Kukora presented a session on communication and shared decision-making challenges in antenatal consultation.

A unique session on Sunday was presented by Mr. Rick Guidotti, the founder and director of Positive Exposure, an innovative art, education and advocacy organization working with individuals living with genetic differences. His talk was titled, "Positive Exposure: Seeing Beyond the Diagnosis." He described the social and psychological experiences of people of all ages and ethnic-cultural heritages living with genetic, physical, behavioral, and cognitive conditions. His talk was very moving and changed the perspective with which patients with genetic diagnoses are viewed.

Dr. DeWayne Pursley summed up the key take-home points from the Workshop while eliciting responses and opinions from the meeting registrants about the topics that were presented through the interactive use of the Audience Response System. Attendees were able to obtain valuable MOC Part II credit through the completion of pre- and post-meeting questions.

Also, many focused career groups: Trainee and early career (TECaN), mid-career (MidCaN), senior (WECaN) had networking opportunities during the meeting. I want to thank all the planning committee members and the AAP staff who worked hard to organize the meeting and deserve accolades for the success of the 2019 meeting. The Committee is hard at work putting together an excellent meeting for 2020. Please mark your calendars for March 27-29, 2020. We hope to see many of you at Scottsdale!

SoNPM Program at the 2019 NCE in New Orleans

Angel Rios MD, FAAP

Please plan to attend the Section on Neonatal-Perinatal Medicine Program at the 2019 AAP National Conference Exhibition Meeting in New Orleans, October 25-29, 2019. The Program will begin with the Friday evening Gerald Merenstein Lecture given by Seetha Shankaran, followed by the opening reception and poster session. Then, on Saturday morning session we will begin with scientific oral platform presentations.

Saturday afternoon will be dedicated to the microbiome. The Human Microbiome Project has revealed that there are far more bacterial cells residing in the human intestine than host cells. It has been stated that a human body contains ten times more bacterial cells than human cells. This session will focus on the following areas: Review present-day culture-independent techniques utilized to analyze the DNA extracted directly from a sample for bacterial analysis; discuss colonization resistance which is the

mechanism to protect against incursion of spacing and /or overgrowth of pathogens; the role of the intrauterine microbiome and its effect the mother/fetal dyad; examine the effects of antibiotics on the intestinal microbiome, metabolome and inflammatory mediators; and discuss the role of prebiotics and probiotics in the dysbiotic preterm gut microbiome. Guest speakers will include Josef Neu, Jae Kim, Kjersti Aagaard, Rodney Dietert and Joseph Petrosino.

On Sunday morning, a joint session with the Section on Breastfeeding will focus on controversial topics and emerging data related to provision of human milk and breastfeeding for preterm infants. This session will focus on hospital-based practices to support families in providing breast milk for their infants, racial/ethnic disparities in breastfeeding, mechanisms by which human milk oligosaccharides are involved in immune development and health outcomes of mothers and infants, recent evidence regarding donor milk and differences in benefits compared to mother's own milk, and emerging sources of donor milk, including informal milk sharing. The session will also include a focused discussion on challenges with on-going need for fortification, feeding discoordination, and transitioning to direct breastfeeding. The expert panel will include Lars Bode, Aloka Patel, Tarah Colaizy and Sarah Taylor.

Sunday afternoon will be an interactive joint session with the Section on Simulation and Innovative Learning Methods with the expert panel of Taylor Sawyer and Lou Halamek. Post-event debriefings in healthcare are facilitated discussions of a clinical event, focused on learning and performance improvement. Post-event debriefing is a foundational behavior of high-performance teams. The goal of the session is to educate neonatal healthcare providers on effective ways to conduct post-event debriefings in neonatal care utilizing video scenarios and group discussion on debriefing in the clinical setting.

We are looking forward to an exciting and interactive meeting with excellent faculty.

Hope to see you there! For more information and registration, see <https://aapexperience.org/registration/>

View from the Chair

Mark Hudak MD, FAAP

I write this in June trying to anticipate what might still be relevant by late summer-early fall when this Newsletter is published. So much of what we read today focuses on immediate events and naturally fades into a less pressing past. The challenge for today is to communicate in a way that may have some enduring meaning!

This month, it was my privilege as Chair of the Section to attend and contribute in a small way to two neonatology

fellows' conferences. Not only was I able to catch up with some colleagues, but I met for the first time other iconic neonatologists and maternal-fetal medicine physicians. These were two very different venues for the fellows who attended. At the 43rd Fellows Seminar on Perinatal Pediatrics, our trainees mostly enjoyed soaking up state-of-the-art subject talks and sage career advice presentations. At the 84th Perinatal and Developmental Medicine Symposium in Snowmass, they both learned from the faculty and had a chance to present their own research and ask their peers questions in a supportive environment. In both settings, the fellows had many opportunities to talk with the faculty informally and learn that even iconic faculty are, well, no more than just regular people! How many of us attended one of these conferences during our training and made a contact that had a lasting impact on our career? I remember having an existential conversation with Dr. Philip Sunshine during a volleyball game (of all things) and finding affirmation that a long-term career as a clinician-scientist could provide lifelong inspiration. Others of you first met and later married someone from one of these conferences (there are records)! And, it was heartening to validate that the next generation of neonatologists are more accomplished, more articulate, more well-rounded, and as passionate as I

Coding Question

Edward Liechty MD, FAAP

You have previously met and counseled an expectant couple whose fetus has been diagnosed with Potter's sequence. The family and their obstetrician has decided they want neonatology at the delivery, and if the infant has obvious severe respiratory insufficiency incompatible with survival then they want comfort measures only.

You attend the delivery and after examination of the infant it is clear the prenatal diagnosis is correct. You admit the infant to a private NICU room and order comfort care only. The infant survives 2 hours and during this time you spend a total of 40 minutes of bereavement counseling with the family. In addition, you document 40 minutes spent on preparing the admission note and orders. After the child dies, you document an additional 25 minutes preparing the death summary and death certificate.

Correct CPT codes for these services are:

- A. 99464, 994477
- B. 99464, 99233, 99356
- C. 99465, 99463

Answer on page 40.

remember we were in those years. We WECaN will wind down our careers knowing that our beloved specialty will be in excellent hands.

Another privilege afforded to the Chair of the Section is to introduce the speakers at the Silverman and Butterfield lectureships and present the Apgar, Fanaroff, Landmark, and Pioneer Awards. I was very pleased to introduce Dr. Saroj Saigal, the 2018 Apgar Award winner, at the Joseph Butterfield annual lecture in Scottsdale in March. We name these lectures in honor of past luminaries, but with the express intent to have an opportunity every year to enthrall and inspire the present generation with accomplishments from long ago. There is a thrill each year in crafting and telling a story that will remind many members of the audience and will educate some for the first time about the contributions of Virginia Apgar, Joe, and Saroj and the common threads that will forever bind them.

Similarly, it was humbling at the AAP Presidential Plenary Session at PAS to have the honor to talk at some length about the formative experiences that shaped William Silverman to become the first true therapeutic skeptic in our field. It was great to recognize some of the people that Bill influenced directly or indirectly – all, like Bill, past Apgar Awardees - Jack Sinclair; and Jon Tyson, Saroj Saigal and Barbara Schmidt in the audience - and then to introduce Norman Fost as the 2019 Silverman lecturer. Bill launched the field of evidence-based medicine through a carefully structured series of rigorous clinical trials. He was amazingly economical in his scientific approach. Reading his papers in order, he never lost a day and appeared never to lose a patient to an important investigation. He perfected the methodology of sequential analysis that allowed him to stop a trial when it reached statistical significance. He challenged everything, and thank goodness that he did, or the Blackfan hypothesis that had prevailed for 25 years which characterized preterm infants as physiologic poikilotherms might have gone uncorrected for another quarter century. Bill's motto was "*semper plangere*" – "always complain" in Latin. He was faithful to his motto and the bane to his temporal equivalent of the NIH study section. He also was vociferously opposed to the creation of the new specialty of neonatology, anticipating quite presciently that this would end the physician-family relationship in most cases after a successful home discharge. For Bill had a conscience about the lifelong effects of neonatal therapeutics, and cared deeply about his patients as they developed throughout childhood. Later in his life, he wrote a series of anonymous essays under the *nom de plume* "Malcontent" in a regular column called "Fumes from the Spleen." He published many of these in a 1998 book entitled *Where's the Evidence* - a must-read for every neonatologist. At this time, you can find this for purchase on Amazon or eBay.

For those of you who like vocabulary quizzes, try out the site freerice.com (which may have migrated by the fall to

beta.freerice.com). There are 60 levels. If anyone reaches level 50 (no cheating!) let me know and I will publish your name here! I never realized there were so many 4 and 5 letter words I have never encountered! As you progress through the words, you secure more and more donations of rice to feed the hungry.

Finally for fall reading, I recommend the book *The Sixth Extinction: An Unnatural History* by Elizabeth Kolbert. Published in 2014, this non-fiction work won the Pulitzer Prize in 2015 for its exquisite explanations of complicated scientific topics in language understandable to the non-scientist. It is not a feel-good read and paints a very scary picture of what can possibly happen to the natural order by 2100. In this moment of "it's all about me," I have to feel optimistic about the energy of our youth and the alternatives that we have. This will really be our life's and our generation's challenge. It is all about the future of our world and of our very next generations, and it begins with us.

Trainees and Early Career Neonatologists (TECaN) Update

Ashley Lucke MD

TECaN continues to be an enthusiastic group with a robust plan for the coming year! As the newly-elected TECaN Chair, I'm excited to share a snapshot of the work we are doing and invite you to email us at tecan@aap.org with questions or requests to get involved. While we have active TECaN committees devoted to Advocacy, Research/Quality Improvement, Global Health, Ethics and Membership, we will be placing special focus on our Career Development and Education Committees this year.

The TECaN Career Development Committee will be providing information on the job search process and resources to help fellows in that stage of their career. Specific effort will be made to incorporate private practice information. For early career members, there will be content on transitioning into practice, coding and billing, balancing family and parenting while trying to build your promotion portfolio, etc. Through the combination of podcasts, blogs, written resources and website content, the Committee hopes to become a prime resource for TECaN members seeking career guidance and information.

The TECaN Fellowship Committee continues to work with the Organization of Neonatal Training Program Directors (ONTPD) to develop flipped classroom modules for the national fellowship curriculum. Expanding upon this, TECaN is thrilled to announce the creation of a board study group. More details of the structure for this group will come in the next 2-3 months, look out for more information in the monthly TECaN newsflashes.

TECaN is also launching a podcast series aimed at discussing the common issues of neonatal fellows and



TECaN Executive Council at Scottsdale Workshop

early career physicians that aren't covered in our formal education. We hope to release new podcasts every 2-3 weeks and are open to suggestions for content. We welcome ideas and requests at our general TECaN council email, tecan@aap.org.

Finally, as many of you know TECaN's first national advocacy campaign, #NavigatingNAS, is wrapping up this fall with the start of quarter four on August 1st. Quarter four focuses on NAS beyond discharge with resources for discharge home, neurodevelopmental outcomes and the multidisciplinary medical home. This campaign has been a tremendous success with hundreds of webinar participants, thousands of website visits and a planning committee from over 40 institutions working together to improve the care for these families. It's never too late to join in the work and we encourage you to check out the campaign website at [https://aap.org/navigatingnas!](https://aap.org/navigatingnas)

If you have great ideas, are motivated to turn them into reality, and desire leadership opportunities, I encourage you to apply for one of our TECaN Executive Council positions. We will be accepting applications in July 2019 for Chair of Career Development/Leadership, Chair of Research/Quality Improvement, and Regional Fellow Representative positions. For more information on how to apply, email tecan@aap.org or visit our website <https://www.aap.org/en-us/about-the-aap/Committees-Councils-Sections/Neonatal-Perinatal-Medicine/TECAN/Pages/tecan.aspx>. Please feel free to contact me with any ideas, questions, or to obtain information on how to get more involved (ashleyluckemd@gmail.com). We look forward to hearing from you!

2018 Landmark Awardees

Anne Schuchat and Carol Baker

The Executive Committee of the Section on Neonatal-Perinatal Medicine has awarded the 2018 Landmark Award to Drs. Anne Schuchat and Carol Baker for their seminal work in defining the burden of illness of neonatal Group B streptococcal disease, and in implementing a national public health initiative to reduce its incidence through screening and prophylaxis.



Hudak and Baker

Prior to the current era of neonatal intensive care, group B streptococcus (GBS) had emerged as a leading cause of neonatal mortality and morbidity in North America, with an estimated 7,500 infants affected annually in the US, and a case fatality rate as high as 50%. Beginning in the 1970s, Dr. Baker performed pioneering translational work in identifying the role of GBS in meningitis, the incidence of colonization, mechanisms of immunity, and antibiotic susceptibilities. Dr. Schuchat and colleagues built upon Dr. Baker's foundational work in reporting a series of studies that defined population-based risk factors as well as the accuracy of screening cultures in predicting neonatal group B streptococcal disease. Her observation that hospitals with screening programs had fewer newborns with early-onset GBS led her to facilitate and advocate for the issuance by CDC of consensus guidelines for screening- or risk-based GBS prevention, which were subsequently endorsed by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists. These practices were universally adopted, and led directly to a profound decrease in the incidence of early-onset GBS disease that persists to the present day.

For their combined efforts in developing the basic and translational science, their championing the application of the tools of public health surveillance and intervention, and for the resulting impact on generations of babies and their families, Drs. Schuchat and Baker are highly deserving of

the Section on Neonatal-Perinatal Medicine Landmark Award.

The 2018 Landmark Award was presented to Carol Baker by Section Chair, Mark Hudak, at the Workshop on Neonatal Perinatal Practice Strategies in Scottsdale, AZ on March 30, 2019.

Today's NeoPREP

Lily Lou MD, FAAP and Kelly Wade MD, FAAP

Since 1992, the NeoPREP course, has been a premier study resource offered by the Section on Neonatal Perinatal Medicine to provide comprehensive review and help prepare for the Board Exam. Some of us remember bringing our sharpened No. 2 pencils to the testing venue, stoking our brains with caffeine, and devoting the better part of a day to earning our credentials to practice neonatology. The ritual was repeated every seven years, then every ten, with MOC parts 2 and 4 filling out the agenda. The pencils eventually evolved to a computer screen with a finite scratch pad, and now the American Board of Pediatrics (ABP) is poised to even more fundamentally change how neonatologists are assessed to assure that we are up to date in our fund of knowledge. Given our fast-paced lifestyles, there is less time to devote to comprehensive review and more need for interactive learning.

The MOCA-Peds pilot is winding up and the ABP is ready to transition the specialty certification process from a big periodic test to a continuum of assessment questions. Just like the MOCA-Peds structure, MOCA-Neo will provide four quarterly sets of 20 questions at a time, throughout the year, repeated each year for four years. Once a question is opened, it must be answered within five minutes so there is a short time allowed to access your references. The cycle restarts every five years. At this point, there will still be an option to take a computer exam every five years. The ongoing MOCA-style format is a much more "authentic" strategy to assess practical knowledge, but how will that change the way we prepare?

The NeoPREP course has always attracted three categories of attendees: (1) fellows and first time certifiers, (2) MOC re-certifiers, and (3) those seeking a comprehensive review of our field. The NeoPREP's diverse array of learners and outstanding faculty provides a invigorating environment to meet each learners' goals, from passing the boards to stimulating debate on difficult management scenarios, in parallel breakouts where learners can choose between "core knowledge" and "beyond the boards" sessions. The NeoPREP Planning Committee uses input from past attendees and TECaN and leverages many AAP SoNPM resources to enhance the curriculum. Despite changes in MOC recertification,

mid-career neonatologists continue to remark on the benefits of dedicated time for comprehensive review and interaction with faculty.

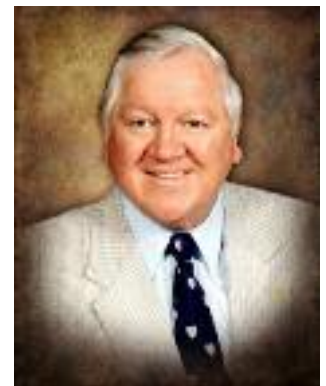
The NeoPREP course continues to evolve to provide learners with what they want in a comprehensive course. The primary mission remains – to provide immersive, memorable comprehensive review in a protected setting with leaders in the field. The 2020 NeoPREP course will be shortened to five days, accommodating the busy lifestyles and financial constraints of learners. The 2020 course will continue to provide breakout sessions for core board review and clinical management, 40 MOC points, and pre/post test assessments. Given the shorter time frame, the course will highlight the most high-yield topics identified by learners and additionally provide supplemental materials such as audience response questions, electronic flash cards, and a forum for reflection on self-study strategies. Advanced, interactive technology will be used throughout the conference to keep learners engaged.

All in all, the NeoPREP course should be a great bargain, with more varied learning tools and a chance to interact with experts in our field in a stimulating setting. We aim to keep pace with the evolving testing format and meet the needs of all learners with these changes. The next course will be February 7-11, 2020 at the Renaissance Hotel in Long Beach, CA.

In Memoriam...

Billy Andrews

Billy F. Andrews MD, 87, died on March 15, 2019, in New Albany, IN. He was born in Graham, NC on September 22, 1932, and was a graduate of Wake Forest University (1953) and Duke University School of Medicine (1957). He was a major in the US Army, serving from 1957 through 1964.



Billy F. Andrews

Following military service, Dr. Andrews worked as a faculty member at the University of Louisville School of Medicine, serving as the Chairman of the Department of Pediatrics until 1993, and then as Professor and Chairman Emeritus.

Dr. Andrews was a pioneer in clinical neonatology and trained doctors, nurses, and medical students in neonatal care and ethics. He was a member of numerous national and international medical societies and was a prolific lecturer and author, known for his Children's Bill of Rights.

Dr. Andrews is survived by his wife, Faye, three children, and four grandchildren. He was a devout Christian and was a member of St. Marks Church in New Albany, IN.

Donations in memory of Dr. Andrews may be made to fund the Billy F. Andrews MD, Endowed Chair in Pediatrics at the University of Louisville. Please contact Kay at (502) 852-0961 or go to <http://fundforuofl.org/Dr-Andrews>.

From www.dignitymemorial.com

A Coalition to Eliminate Preventable Deaths from Unplanned Extubations

Joaquim M B Pinheiro MD, MPH, FAAP

The AAP is participating in a growing coalition of 18 multispecialty healthcare and patient safety organizations aimed at preventing deaths associated with unplanned extubations (UE).

The recently-formed collaboration, named Coalition for Unplanned Extubation Awareness and Prevention is led by the Society for Airway Management (SAM). It aims to eliminate deaths and reduce the frequency, sequelae and costs associated with UE. As noted in a SAM press release, “Researchers estimate that up to 33,000 adult deaths per year in US hospitals can be attributed to unplanned extubation.” Other statistics cited by SAM include 120,000 annual incidents of UE in adult ICUs, resulting in over 34,000 additional ventilator-associated pneumonias and a doubling of the length of ICU stays; overall, UEs increase unnecessary healthcare costs by \$5 billion annually.

The SAM summary reports that “the incidence of unplanned extubation in adult ICUs ranges from 0.5% to 35.8% and 1.0% to 80.8% in neonatal ICUs.” Published studies consistently show a higher risk of UE in children (particularly neonates) compared with adults, but the estimates of the health and economic sequelae of UE in pediatric populations are inadequate to date. Uniquely in neonates, UE events may also increase the risk of intraventricular hemorrhage. The very small allowances of neonatal tracheas for endotracheal tube movement before extubation occurs, along with reluctance to use sustained sedation due to adverse effects, contribute to the high risk of UE in newborns. Additionally, early detection of UE events is difficult since intubated newborns commonly exhibit a baseline cardiorespiratory lability with desaturations and bradycardia, and there is limited utility of technologies to continuously track airway function, such as end-tidal CO₂ monitoring. Preliminary analysis of over 200 UE events in a quality improvement (QI) project suggests that UEs in preterm neonates most often involve internal dislodgement of the endotracheal tube which prompts active tube removal by clinicians (J. Pinheiro, unpublished observations) – a type of UE that is not

consistently counted under various operational definitions. Unsurprisingly, the distinct mechanisms of UE in neonates will likely require different approaches to detecting these events and mitigating their consequences than those used in adult patients.

A more pervasive problem contributing to undercounting of UEs is the lack of a core data set for UE events in electronic medical records, which impedes routine tracking of event rates by quality management systems. Thus, a major focus of the Coalition is to encourage hospitals to implement a core data set, which will allow them to assess their own UE rates. The Patient Safety Movement Foundation has developed Actionable Patient Safety Solutions (APSS), containing best practices to facilitate hospitals’ QI efforts toward building processes that will allow them to identify and track UEs, institute new preventive interventions and accomplish the goal of zero preventable deaths. These are available for download at <https://patientsafetymovement.org/actionable-solutions/challenge-solutions/airway-safety/unplanned-extubation/>.

The current APSS on General Airway Safety and Unplanned Extubations focus on adult patients, so that the processes to prevent, detect, mitigate and count UEs are not immediately applicable to children, particularly neonates. Clinicians representing the AAP (Joaquim Pinheiro), the Children’s Hospitals’ Solutions for Patient Safety Network (Anne Lyren, Larry Roy) and the Society for Pediatric Anesthesia are collaborating on APSS that aim to minimize the rates and impact of UEs in children and neonates. These will be available for implementation not only in children’s hospitals but also in other hospitals serving pediatric populations.

In the press release, SAM President Lauren Berkow said that the Society “...is leading the effort of this multi-specialty working group to make the treatment of critically ill, mechanically ventilated patients safer. The first step is to increase awareness of the problem and its impact.” Notably, the Coalition includes a partnership with the Do It for Drew Foundation, an organization that was founded in memory of Drew Hughes, a teenager who died following an UE event. Arthur Kanowitz, Co-Chair of the SAM Special Projects II Committee, added, “Unplanned extubation is common and costly, yet the gravity of this problem is uncommonly recognized...If your incidence rate of preventable deaths is not zero, then you should implement a QI program to get you to zero.”

Rapid Whole Genome Testing: Precision Medicine for Neonatology

Andrea Scheurer MD, FAAP and Caleb Bupp MD

Rady Children's Institute for Genomic Medicine (RCIGM) is setting records for time to diagnosis for genetic disease in critically ill neonates. The genomics team at RCIGM in San Diego, CA performs rapid whole genome sequencing (rWGS) in collaboration with a growing list of children's hospitals across the nation. DeVos Children's Hospital in Grand Rapids has a research affiliation with RCIGM and Bronson Children's Hospital in Kalamazoo has Bronson Foundation financial support for test access. Care teams from both hospitals are already seeing the benefits of access to this test. Diagnostic utility for WGS in critically ill neonates with unclear etiology of illness and/or suspected genetic disease is 40-50%. Preliminary results return 3-7 days after sample arrival at RCIGM. Sample requirements are 0.5 ml of blood from the infant and 0.5 ml of blood from each parent if possible.

Cost of testing is high and is not covered by insurance. The team at RCIGM is addressing this challenge with the launch of Project Baby Bear in 2018. Project Baby Bear is a \$2 million Medi-Cal pilot program investigating the impact of rWGS on medical management, neonatal outcomes, and medical costs. This is the first time WGS has ever been covered by a public health program.

Project Baby Bear sequenced its first patient in fall 2018 and since then, growing numbers of infants have received genetic diagnoses. This test is changing management, improving outcomes, and easing acceptance of comfort care when appropriate. In addition, a recent publication by Farnaes, Lauge, *et al.* in *NPJ Genomic Medicine* reviews how rWGS both reduces risk of morbidity and is associated with cost savings between \$800,000-2 million per patient. It will not be long before insurance companies will see that cost savings accompany improved outcomes from earlier and accurate diagnosis. Learn more about Project Baby Bear and RCIGM at www.RadyGenomics.org.

Neonatologists need to become better informed about the clinical application of genomic medicine and rWGS. Education about rWGS is key to increasing interest and expanding access to this test for critically ill neonates. Recognizing this, The Vermont Oxford Network has recently partnered with RCIGM to form the Vermont Oxford Rady Children's Genomic Network. This is a learning network that seeks to improve the quality of newborn care by increasing knowledge and competency in genomic medicine for NICU teams. Registration is open and participation is a complimentary benefit of VON membership. The network includes quarterly webinars, an annual conference or workshop, and online learning resources. More information is available on their website, <http://public.vtoxford.org/genomicnetwork/>.

rWGS, in the hands of the RCIGM team, is precision medicine for neonatology. It is time we all learn more about this test and how best to harness its power for our patients.

2019 Apgar Awardee Barbara Schmidt MD, MSc, CM

The Virginia Apgar Award represents the highest honor that our Section bestows to an individual whose cumulative career accomplishments have had a profound and continuing influence on the well-being of neonates. Barbara Schmidt is the 2019 Virginia Apgar Award recipient. Dr. Schmidt is an internationally recognized neonatologist and clinical epidemiologist with a long and productive career in perinatal and neonatal research. Her contributions have improved healthcare of neonates worldwide and she has an extensive history of exemplary mentorship.

Barbara Schmidt has designed and completed large international trials that are some of the best trials in neonatology in design, execution and performance, including the Indomethacin Prophylaxis and Patent Ductus



Calendar of Meetings

Perinatal Workshop
Scottsdale, AZ
March 27-29, 2020

District VI Conference
Chicago, IL
September 6-7, 2019

VON Annual Quality Congress
Chicago, IL
October 3-7, 2019

**AAP National Conference & Exhibition
SoNPM Program**
New Orleans, LA
October 25-29, 2019

Hot Topics
Washington, DC
December 8-12, 2019

**33rd Annual Gravens Conference on the
Physical & Development Environment
of the High Risk Infant**
Clearwater Beach, FL
March 6-9, 2020

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**DISTRICT I:
Munish Gupta****CONNECTICUT***Stamford Hospital*

We are pleased to announce **John Ciannella** was named Director of the Division of Neonatology. **Gerald Rakos** continues at Stamford as Chair of the Department of Pediatrics.

Connecticut Children's Medical Center, Hartford

We would like to highlight and acknowledge our graduating fellow! **Jennifer Caldwell** will be joining Memorial Hospital in Gulfport, MS. We are proud of Jenn, and wish her and her family well as she takes this next step in her career.

We welcome our new fellow, **Poonam Thakore**, from Tulane in New Orleans.

Congratulations to **James Moore** who was the 2019 recipient of the Founder's Award presented by the Southern Society for Pediatric Research at their February Meeting.

Connecticut Children's is pleased to host our 4th annual Symposium on Neonatal Advances, Update on Nutrition Practices, on September 19, 2019 at the University of Connecticut School of Medicine in Farmington, CT. Featured speakers include **Michael Georgieff, Sarah Taylor, Ruth Lawrence, David Adamkin, Dena Goldberg, and Marion Groetch**. For more information, please contact Sierra@uchc.edu or Broyles@uchc.edu.

Yale-New Haven Children's Hospital

We were proud to graduate four wonderful fellows: **Chris Klunk** is headed to University of Texas in Austin, **Veronica Fabrizio** will be joining the faculty at Connecticut Children's Medical Center, **Stephanie Kyc** will be joining the State University of New York at Stony Brook, and **Brooke Redmond** is going to Nationwide Children's Hospital in Columbus.

We are excited to welcome our new fellows in neonatal-perinatal medicine: **Zaneta Forson-Dare** from Yale-New Haven Children's Hospital, **Kelly Werner** from Cohen Children's Medical Center, and **Muhammad Zain-Ul-Abideen** from Dartmouth.

Pat Gallagher was appointed as the new Editor-in-Chief of *Journal of Perinatology*, the official journal of the AAP Section on Neonatal-Perinatal Medicine.

Edward James, Medical Director at Lawrence and Memorial Hospital NICU, retired at the end of June. Ed has been a dedicated clinician and leader, and has cared for countless newborns and their families across Connecticut in his career. His presence in the NICUs in New London and in New Haven will be missed.

Matthew Drago was named Medical Director at Lawrence and Memorial Hospital upon Ed James' retirement. Matt will also continue attending and teaching at Yale-New Haven Children's Hospital.

Lindsay Johnston has been appointed Director of Fellowships for the Department of Pediatrics.

Christie Bruno replaced Lindsay as our new Program Director for the Fellowship in Neonatal-Perinatal Medicine.

Sheryl Purrier, a graduate of NYU's Neonatal-Perinatal Fellowship Program, has joined the faculty at Yale University as an Assistant Professor and will be attending at Yale New-Haven Children's Hospital in New Haven, and Lawrence and Memorial Hospital in New London.

Caty Buck, having just completed fellowship at Brown, joined the Yale neonatology faculty in July as an Assistant Professor.

Sarah Taylor, our Director of Clinical Research, received an Allen Foundation award to study lactation in women with diabetes.

MASSACHUSETTS*Baystate Medical Center, Springfield*

We want to congratulate **Kathleen Meyer**, Assistant Professor of Pediatrics at UMMS-Baystate, who retired on November 29, 2018 after 38 years at Baystate Children's Hospital. The entire Baystate community thanks Kathy for her many contributions and dedicated years of service to our NICU, BPD Clinic and the children of Western Massachusetts.

We would like to welcome **Wambui Waruingi** who will be joining our Division of Newborn Medicine and serving our patients in both the NICU and the Neurodevelopmental Follow-Up Clinic.

We would like to thank **Jeff Shenberger** for his many contributions to the Department of Pediatrics at UMMS-Baystate as he relocates as Division Chief to The Section on Neonatal and Perinatal Medicine at Wake Forest School of Medicine. **Robert Rothstein** is serving as Interim Division Chief of Baystate's Division of Newborn Medicine following Jeff's departure.

We congratulate **Laura Madore** as she received the New England Association of Neonatologists' Francis J. Bednarek Award at the annual Griffin Symposium for her research entitled, "New England Donor Milk Macronutrient Analysis."

We congratulate **Ruben Vaidya** as he received Baystate's Supporting Scholarship for Junior Faculty Award from Baystate's Office of Faculty Affairs.

We thank **Rachana Singh** for her countless contributions as the Medical Director of our NICU. Rachana's research mentorship paved the way for her many mentees to have 9 presentations at the 2019 PAS-SPR meeting in Baltimore. Her innovative refinements of our Telemedicine for Retinopathy of Prematurity Evaluation as well as our EMPOWER Rooming-In Program for opiate-exposed mother-infant dyads has improved the care for our vulnerable newborns and has received recognition by the Baystate President's Excellence Committee.

We congratulate **Robert Rothstein** as he receives an Outstanding Teaching Award from the Baystate Education Research and Scholarship of Teaching Academy.

We congratulate newborn hospitalist **Marcia VanVleet** for her work with opiate-exposed mother-infant dyads and expanding access to medication-assisted treatment, as Marcia received a SAMSA grant award for the Moms Do Care Expansion Program at the Baystate Franklin Medical Center.

Newborn hospitalist, **Mustafa Caylan**, is using his palliative care fellowship training to develop Baystate Children's Hospital first Pediatric Palliative Care Program.

Beth Israel Deaconess Medical Center, Boston

We welcome **Cicely Fadel** to our faculty, following her completion of fellowship in the Harvard Program where she also served as chief fellow.

We welcome **Amanda (Mandi) Sandford**, who has joined the Department as Director of Neonatal Hospitalist Services.

Sarah Kunz has received the Agency for Healthcare Research and Quality Mentored Clinical Scientist Career Development Award (K08).

Jonathan Litt received the National Institute for Child Health and Human Development Mentored Career Development Award (K23), and has been accepted for membership in the Society for Pediatric Research.

Camilia Martin has been named to the 12-member scientific advisory council of the Necrotizing Enterocolitis Society. She has also been appointed to the AAP Committee on Fetus and Newborn.

Marie McCormick is the recipient of the Stanley and Mavis Graven Award for Leadership in Enhancing the Physical and Developmental Environments for the High-Risk Infant, presented at the 32nd Annual Gravens Conference in March 2019. In May, Dr. McCormick received the 2019 Professor Emeriti Award from the Harvard T.H. Chan School of Public Health.

Munish Gupta has been appointed Associate Editor for Quality Case Reports for the journal Pediatrics.

John Zupancic has been elected Chair of the AAP Section Forum Management Committee Medical Action Group 2.

DeWayne Pursley has been appointed to the APS/SPR/AAP/APA Pediatric Policy Council.

Boston Children's Hospital

Helen Christou was appointed Associate Chair of Research for the Department of Pediatric Newborn Medicine at Brigham and Women's Hospital beginning in July 2019. Dr. Christou will be stepping down from her role as Fellowship Program Director of the Harvard Neonatal-Perinatal Medicine Fellowship after five years of service in this role.

Kristie Leeman, the current Associate Fellowship Program Director, has been appointed as the new Fellowship Program Director and **Christy Cummings** will assume

the role of Associate Fellowship Program Director.

Kristie Leeman was promoted to Assistant Professor of Pediatrics at Harvard Medical School.

Christy Cummings received a NIH R01 grant for a project seeking to optimize family counseling for anticipated extremely premature delivery.

Pankaj Agrawal was named the Merton Bernfield Endowed Chair in Newborn Medicine at Boston Children's Hospital.

Anne Hansen was named the Barry Family Research Chair in Newborn Medicine.

Ellen Grant was appointed Fellow of the International Society of Magnetic Resonance in Medicine 2019.

Stella Kourembanas is the Program Director for a newly-awarded NIH T32 grant for the Neonatal Research Training Program and is the PI of a NIH R01 grant for MSC Exosome Treatment for BPD. Dr. Kourembanas was also honored as the keynote speaker of the Lung Club at the Pediatric Academic Societies annual conference.

Asimonia Angelidou is Co-Chair of the upcoming 2nd International Precision Vaccines Conference to be held October 17-18, 2019, at Harvard Medical School in Boston. The conference is organized by the Precision Vaccines Program at Boston Children's Hospital. For more information, visit <http://www.bit.ly/IPVC2019>.

We congratulate our third year fellows graduating in June 2019: **Bridget DiPrisco**, **Cicely Fadel**, **Brian Kalish**, **Fotios Spyropoulos**, **Elizabeth Taglauer**, and **Monica Wojcik**. Dr. DiPrisco will be joining the faculty at Children's Hospital Los Angeles; Dr. Fadel will be joining the faculty at Beth Israel Deaconess Medical Center; Drs. Kalish, Taglauer, and Wojcik will be joining the faculty at Boston Children's Hospital; and Dr. Spyropoulos will be joining the faculty at Brigham and Women's Hospital.

We also congratulate our fellows for numerous honors and awards. **Kristyn Beam** and **Alejandra Barrero-Castillero** were accepted into the AAP Young Professional Leadership Alliance (YPLA) Program. **David Soffer** was accepted into the Fellowship in Bioethics at the Harvard Medical School's Center for Bioethics.

Fotios Spyropoulos received a Society for Pediatric Research Fellow Basic Science Award for his project, "Acetazolamide Treatment Restores the Right Ventricular Metabolic Profile and Function in Experimental Pulmonary Arterial Hypertension." Dr. Spyropoulos also received the Best Presentation Award at the New England Perinatal Society conference. **Elizabeth Taglauer** received a Society for Pediatric Research Fellow Basic Science Award for her project, "Antenatal Treatment with Mesenchymal Stromal Cell (MSC) Exosomes Ameliorates Preeclampsia-Associated Fetal Growth Restriction and Lung Development through

Intrauterine Immunomodulation." **Julie Thai** received a Marshall Klaus Neonatal-Perinatal Research Award for her project, "The Role of Intestinal Inflammation on the Premature Intestinal Microbiome and Postnatal Growth" under the mentorship of **Katherine Gregory**. *Boston Medical Center*

Vincent Smith started as the Chief of Newborn Medicine on March 1, 2019. We thank **Mark Mirochnick** for his many years of service in this role.

Bernadette Levesque has been appointed as the Medical Director of Neonatology. We thank **Alan Fujii** for his many years of service in this role.

Elisha Wachman was promoted to Associate Professor of Pediatrics and **Bernadette Levesque** was promoted to Associate Clinical Professor of Pediatrics.

Meg Parker received a \$2,400,000 grant from the Kellogg Foundation with **Bolaji Famuyide** from University of Mississippi Medical Center and **Stacy Drury** from Tulane University. This project, "Express Yourself," is a multi-site QI project designed to reduce racial/ethnic disparities in breastfeeding among in Mississippi and the greater New Orleans area.

Brigham and Women's Hospital, Boston

Mandy Brown Belfort was promoted to Harvard Medical School Associate Professor.

Helen Christou was recognized as Mentor of the Year at the 43rd New England Perinatal Society Meeting in March 2019. Dr. Christou was also appointed as the first Associate Research Chair for the BWH Department of Pediatric Newborn Medicine.

In January 2019, **Ann Velie** assumed the role of Medical Director of Well Newborn Care at BWH.

We welcome our new faculty! In July 2019, **Fotios Spyropoulos** and **Elizabeth Flanigan** will join our neonatology faculty. Dr. Flanigan will also serve as NICU Associate Medical Director.

Mohamed El-Dib and the BWH Department of Pediatric Newborn Medicine are excited to announce this year's New England Neonatal Neuroimaging and Neuroimaging Workshop will be held October 10-11, 2019, at Harvard Medical School in Boston, MA. This annual event attracts a large multidisciplinary audience for state-of-the-art updates and hands-on training sessions. More details can be found at www.newbornbrainworkshop.org.

The installation of the first NICU-based MRI scanner was completed in the BWH NICU in January 2019, marking a breakthrough for Neonatal Neurocritical Care in New England.

In January 2019, BWH received Baby-Friendly Hospital Designation from Baby-Friendly USA. This honor recognized exceptional evidence-based, patient-centered care and education delivered around infant feeding practices.

In February 2019, the NICU PICC Team and the NICU Follow-Up Program Team were awarded Partners in Excellence Awards for above and

beyond efforts, accomplishments, and commitment to the Partners Healthcare mission. *Massachusetts General Hospital, Boston*

Sergei Roumiantsev was promoted to Assistant Professor of Pediatrics at Harvard Medical School and to Associate Division Chief of Neonatology and Newborn Medicine at MGH.

Michael Prendergast has joined our group as Director of Quality and Safety for MGH Neonatology.

Mayya Geha was appointed Director of Telemedicine for MGH Neonatology.

Jessica Shui has joined the division as a clinician-scientist after completing neonatology fellowship at the New York-Presbyterian Hospital/Columbia University Irving Medical Center in June 2019.

David Schiff was promoted to Assistant Professor of Pediatrics at HMS and received a K23 award from NIH/NIDA, "Improving Treatment Engagement and Adherence to Optimize Outcome for Opioid-Exposed Mother-Infant Dyads."

Tany Ianeniello has joined our division as a NICU hospitalist based at St. Elizabeth Medical Center. She will also join the MGH Newborn Developmental Follow-up Clinic, which has been expanded to Newton Wellesley Hospital.

Tufts Medical Center, Boston

We welcome our new faculty! **Rodica Turcu** comes to us from Louisville and will serve as the Medical Director of the NICU. **Ronnelle King** joins us from Albany. **Rina Mosely** and **Ramya Natarajan** join our faculty after completing fellowship at Tufts. **Amy Heiderich** joins us from Columbia.

Jill Maron was awarded a new R01 entitled, "Salivary Profiling in Infants Treated for Suspected Sepsis: The SPITSS Study."

Jill Maron is an invited speaker at the NICHD Clinician Scientist Investigator Meeting in August, and in January 2019, gave a very well-received Ted Talk at TEDx Natick on salivary diagnostics in newborns:

<https://www.youtube.com/watch?v=04zCKzzT6YA>.

Jon Davis was a speaker at the FDA Pediatric Investigator Training Workshop and at the FDA/Duke-Margolis Center for Health Policy. Dr. Davis was also named Senior Consultant for the Bill and Melinda Gates Foundation and the Mother Research Institute.

University of Massachusetts Memorial Children's Medical Center, Worcester

We are pleased to announce that this year's UMass New England Association of Neonatologists Griffin Symposium will be on November 15, 2019, at UMass Memorial Medical Center. Featured speakers include **Leif Nelin** from Ohio State/Nationwide Children's, **Gregory Moore** from University of Ottawa, **Steven Ringer** from Dartmouth, **Maria Fraga** from University of Pennsylvania, and **Sherman Chu** from UMass. In addition to talks, we'll have

interactive workshops and meet-ups for TECaN, Women in Neonatology, and the New England Follow-up Network. For more info, contact Sanjay Aurora (Sanjay.Aurora@umassmemorial.org).

RHODE ISLAND

Women & Infants Hospital of Rhode Island, Providence

Robert Insoft was promoted to Professor of Pediatrics at Brown University Alpert Medical School.

Elisabeth McGowan was elected President of the New England Perinatal Society 2018-2019.

Several of our faculty presented at the 32nd Annual Gravens Conference in March 2019. **Beatrice Lechner** gave a presentation titled, "Providing Support for NICU Healthcare Professionals: A Bereavement Debriefing Program." **Elisabeth McGowan** and **Betty Vohr** conducted a workshop, "Social Support and Social/Environmental Adversities of High-Risk Families and Impact on Very Preterm Infant Outcomes."

Barry Lester was featured in an interview and article on the opioid crisis in the United States in the German International news magazine *Der Spiegel*:
<http://www.spiegel.de/international/world/battling-the-devastation-of-u-s-opioid-crisis-a-1257245.html>.

Several of our fellows have given recent platform presentations. **Jenna Mennella** and **Ashish Gupta** presented at the ESPR annual meeting in Philadelphia, and **Giulia Molinaro** presented at the New England Perinatal Society's annual meeting in Newport.

Barbara Stonestreet was an invited speaker at the F.M. Kirby Neurobiology Center, Boston Children's Hospital on May 7, 2019, and at the Neuroimmune Mini Symposium at the Veterans Administration Puget Sound Health Care System, Seattle, WA on May 17, 2019. She spoke on inhibitor proteins and hypoxic-ischemic brain injury.

Betty Vohr received an award from the Academic Pediatric Association for outstanding mentorship of Brown student **Surya Manickam**, recipient of a 2019 research award for best abstract by a student at the 2019 PAS Meeting.

The Department of Pediatrics at Women & Infants Hospital of Rhode Island is hosting a conference celebrating the 10th anniversary of opening their single-bed NICU. The conference, Millennium Neonatology: Building a Better Pathway for Premies, will be held on November 16, 2019 in Providence, RI. This symposium will bring together experts in the fields of neurodevelopment, lung biology, environment of care and neuroimaging. Conference details will be posted on the web soon.

VERMONT

University of Vermont, Burlington

Ellen Diego, Chief Pediatric Resident, was recognized for her role as Vermont Oxford Network volunteer and clinical faculty in

neonatal resuscitation in the Masters in Neonatal Nursing Program at Addis Ababa University in Ethiopia. Dr. Diego will be starting her Neonatal-Perinatal Medicine Fellowship at The Medical University of South Carolina in Charleston, SC.

Delia Horn, 2nd-year NPM fellow, received the 2019 Marshall Klaus Health Services Research Award for her project, "Association between Antenatal Ultrasound Findings and Neonatal Outcomes in Rural Uganda." To our knowledge, this is the first time this award has been granted to a global health project. Dr. Horn's work is being conducted under the mentorship of **Danielle Ehret**.

Adrienne Pahl, 2nd-year NPM fellow, received a grant from the National Institutes of Health Northern New England Clinical and Translational Research Network, grant U54 GM115516 in support of her work, "Sleep Disturbance on Bedside EEG: A Biomarker for Neonatal Abstinence Syndrome."

Danielle Ehret was invited to join the AAP's Helping Babies Survive Planning Group in January 2019, which has developed a suite of evidence-based, hands-on programs designed to reduce neonatal mortality in resource-limited settings. As a representative of the AAP, Dr. Ehret was also selected as one of 14 international leaders to form the first cohort of the International Pediatrics Association Child Health Emerging Leaders Program for 2019-2021.

Vermont Oxford Network will host the 2019 Annual Quality Congress in Chicago, IL, October 2-6, 2019. VON and University of Vermont faculty, **Jeffrey Horbar**, **Roger Soll**, **Erika Edwards**, and **Danielle Ehret**, will be joined by world experts and 1400 interdisciplinary members of the community of practice to learn about and discuss social inequality, evidence-based medicine, genomics, neonatal opioid withdrawal, experience-based co-design, and other improvement topics. Learn more at www.vtoxford.org/Annual_Quality_Congress.

Our Division and community mourn the loss of **Anne Johnston**, who passed away on June 4, 2019. Dr. Johnston was a mentor and friend to many. She was a pioneer in the treatment of neonatal abstinence syndrome, the embodiment of empathy, and a truly compassionate advocate for families. Dr. Johnston's passion for, and commitment to, families affected by substance use disorder will live on through the work of those fortunate enough to have learned from her.

District II: Angel Rios

NEW YORK

Bernard and Millie Duker Children's Hospital at the Albany Medical Center

Save the Date! **Angel Rios** has organized the 11th Annual Current Topics in Neonatal Nutrition and Advances in Neonatal Care in Tarrytown, NY. Invited speakers include **Jochen Profit**, **Richard Polin**, **Aloka Patel**, **Sara Ramel**, **Susan Lynch**, **Sagori Mukhopadhyay**, and **Ian**

Griffin. The conference will be held on October 15-16.

Congratulations to our graduating fellow, **Ronelle King**, who will join the faculty at Tufts in Boston, MA.

After 25 years as Chairman of Pediatrics, **David Clark** will step down. Best wishes from all of us! *Children's Hospital at Montefiore/Albert Einstein College of Medicine, Bronx*

Farewell and all the best to **Babina Naya** and **Priyam Pattnaik**, graduating fellows who will be joining the Neonatology Division at Harlem Hospital Center, Columbia University.

Congratulations to **Katie Forman** and **Alecia (Lisa) Thompson-Branch**, course directors and presenters, on a highly successful two-day conference, Primary Pediatric Palliative Care: Survival Skills for the Non-Palliative Care Professional.

Praveen Ballabh received a five-year R01 award from the NINDS to study "Intraventricular Hemorrhage Affects Production of Cortical Interneurons."

Congratulations to **Sheri Nemerofsky**, Director of Newborn Services at the Wakefield Hospital campus of the Children's Hospital at Montefiore, on her promotion to Associate Professor of Pediatrics at the Albert Einstein College of Medicine.

Shirley Louis, 1st-year NPM fellow, was selected to attend the 2019 NIDDK-sponsored Body Composition Measurements from Birth through 5 Years: Challenges, Gaps, and Existing and Emerging Technologies where she will have the opportunity to present her research in progress.

Kudos to **Christina Long**, Clinical Associate Professor of Pediatrics at University of Washington/Seattle Children's Hospital and 2008 graduate of our fellowship training program, on her appointment as Chief of Pediatrics at Valley Medical Center. Christina is also Medical Director of the NICU at Valley Medical Center.

Julide Sisman, a 2003 graduate of our NPM fellowship program, was promoted to Associate Professor of Pediatrics at University of Texas Southwestern Medical Center.

Anna Ganster, 2012 NMP fellow graduate, earned a Master of Academic Medicine degree through the Keck School of Medicine of the University of Southern California.

Maria Fareri Children's Hospital at Westchester Medical Center, Valhalla

Congratulations to **Heather Brumberg** who has been recognized for her outstanding leadership skills! Heather has been elected the first woman President of the ESPR for 2019. She is also president of the AAP NY Chapter III.

Sergio Golombek continues as the President of the Iberoamerican Society of Neonatology.

Welcome to **Melanie Leong** who has joined us from St. Christopher Hospital for Children/Drexel University College of Medicine, Philadelphia.

Karen Hussein has also joined us from Bristol-Myers Squibb Children's Hospital/Robert Wood Johnson Medical School, New Brunswick, NJ. She will be expanding her work on stem cells and brain injury.

Congratulations and good luck to our graduating fellows! Both **Yuanyi Li Murray** and **Shaili Amatya** will be joining the expanding program at Hershey Medical Center Penn State College of Medicine. **Amanda Rahman** will join Staten Island University Hospital-Northwell System, NY. **Sharini Rajbhandari** is heading south and joining Hemby Children's Hospital/Novant Health Presbyterian Medical Center, Charlotte, NC. **Michelle Levinson** will be joining Northern Westchester Hospital-Northwell System, NY.

Congratulations to **Boriana Parvez** who is opening a NYS Certified Donor Milk Bank for the regional NICU using milk from mothers of premature newborns who have abundant supply on June 1, 2019. It will feature milk analysis and individualized fortification.

Morgan Stanley Children's Hospital/ Columbia University/Presbyterian Medical Center, New York

Richard Polin was a speaker at the International Neonatology Symposium in Bangkok, Thailand, keynote speaker at the 1st annual Dr. Jill Gandy Memorial Lecture on Neonatal Medicine at the University of Cambridge, and guest lecturer at the 27th National Neonatology Congress in Antalya, Turkey.

Richard Polin was guest lecturer at Ipokrates Clinical Seminar: Bacterial Infections in the Newborn Infant in Modena, Italy in May. He served as Course Director for the Open Medical Institute's 2019 Salzburg Columbia University Maternal and Infant Health Seminar in Salzburg, Austria, also in May.

Elvira Parravicini and experts from Columbia University Medical Center, New York Presbyterian Morgan Stanley Children's Hospital; University of Missouri Kansas City School of Medicine; and York College of Pennsylvania will lead Next-Level Perinatal/Neonatal Comfort Care Training: Creating an Interdisciplinary Palliative Care Plan for Each Baby and Their Family. This new, intensive training course is filled with didactic seminars and hands-on activity sessions to provide an overview of the methods, elements, and strategies needed to create a comprehensive palliative care plan for the entire perinatal team. Physicians, nurses, and other health professionals at all career stages are welcome to attend. The course will be held June 19-21, 2019 at Columbia Mailman School of Public Health in New York, NY. CME credit is available.

Elvira Parravicini received a donation of \$25,000 by the AI Smith Foundation and grants from Mead-Johnson and Abbott to support the training course, Next-Level Perinatal/Neonatal Comfort Care Training: Creating an

Interdisciplinary Palliative Care Plan for Each Baby and Their Family.

Elvira Parravicini received a donation of \$50,000 from the AI Smith Foundation to support the Neonatal Comfort Care Program.

Oishei Children's Hospital, Buffalo

We congratulate our graduating fellows! **Mahdi Alsaleem** will be joining the faculty at Via Christi Hospital, affiliated with Children's Mercy, Kansas City. **Deepika Sankaran** will be joining the faculty at Rideout Memorial Hospital, affiliated with University of California, Davis.

We are proud to announce our new fellows **Mausma Bawa** and **Andreina Torrealba**.

Our fellows have received numerous research awards. **Deepika Sankaran** received the Young Investigator Trainee Award and the Clinical Case Presentation Award at Eastern Society of Pediatric Research (ESPR) 2019. **Vikash Agarwal** received the Meritorious Poster Award at ESPR 2019. **Vikash Agarwal, Mahdi Alsaleem, N Ja Hpa** and **Deepika Sankaran** received travel awards from ESPR 2019. **Mahdi Alsaleem, N Ja Hpa** and **Deepika Sankaran** received PAS Travel Awards.

Our Division had multiple research presentations at PAS 2019.

Praveen Chandrasekharan received a NIH R03 grant. His application was scored at the 1st percentile.

Munmun Rawat and **Sara Berkelhamer** received AAP NRP grant awards for the year 2019-20 while **Jayasree Nair** and **Praveen Chandrasekharan** received their AAP NRP grant awards for 2018-19.

Vasantha Kumar was promoted as Clinical Professor of Pediatrics at the University at Buffalo.

Buffalo Spree magazine voted **Anne Marie Reynolds** and **Vivien Carrion** as Top Doctors 2019.

The Western New York Perinatal Bereavement Network, Inc. honored **Sara Berkelhamer** with the 2019 Physician of the Year Award.

The Non-Residential Welfare Society of India recognized **Vasantha Kumar** with Mahatma Gandhi Non-Resident Honor at the House of Commons in London, UK.

Praveen Chandrasekharan was highlighted as an Early Career Investigator (ECI) in the November 2018 issue of Pediatric Research. He was an invited speaker at the ECI session organized by Pediatric Research at PAS.

Praveen Chandrasekharan was an invited speaker at the NEO Conference held in February in Orlando.

Munmun Rawat was in national and international news and social media on International Kangaroo Care Day for her innovative prototype mattress device to simulate kangaroo care.

Bobby Mathew and **Jayasree Nair** had their book chapters published in the *Essentials of Neonatal Ventilation*, 1st edition, Elsevier.

We just celebrated our one-year anniversary of our hospital relocation to a new building with single-family rooms in the NICU.

The John R. Oishei Children's Hospital was awarded the Top Children's Hospital 2018 by the Leapfrog group.

Steven and Alexandra Cohen Children's Medical Center/Northwell Health, New Hyde Park

We wish all the best to our graduating fellows! **Tuisha Desai** is going to be part of the Mednax family at Robert Wood Johnson (RWJ) Barnabas Monmouth Medical Center in Long Branch, NJ. **Grace Kim** is joining RWJ Saint Barnabas Medical Center, Livingston, NJ. **Tatyana Kopp** is going to be part of New York Presbyterian-Queens in Flushing, NY. **Yisrael (Tzvi) Lipener** will join Jersey City Medical Center-RWJ Barnabas Health, Jersey City, NJ.

Fellow **Tuisha Desai** was awarded a travel grant to ESPR in Philadelphia, PA in March to present her work on wound care in neonatal population. She was also awarded a first place NYU-Winthrop Award for Innovation in Neonatal Research Clinical in March and first place at Hofstra 6th Annual Shining the Light on Wound Care Symposium.

Fellow **Tzvi Lipener** presented his work on "MicroRNA-34a as a Novel Regulator of Cardiac Fibrosis Induced by Chronic Hypoxia" in platform presentations both at ESPR in Philadelphia and at SPR in Baltimore.

The Division of Neonatal-Perinatal Medicine at Cohen Children's Medical Center of NY welcomes **Zachary Ibrahim**, who joined us from SUNY Downstate Medical Center, and **Mehbeen Khan** from Stony Brook University Hospital.

Alpna Aggarwal was a recipient of the Most Powerful Women Award from *Long Island Press* in May. She spoke at Molloy College in March on, "Issues Related to Feeding and Swallowing in the NICU."

Vita Boyar was accepted to Society of Pediatric Research this year. Dr. Boyar presented in March on "Effects of soft PVC foam in reducing Nasal Skin Breakdown in Extremely Preterm Neonates" at the 36th Annual Advances in Care Conference in Snowbird, UT.

Vita Boyar was invited speaker at Pediatric Skin Care symposium in March in Hempstead, NY and spoke about pediatric wound care at Symposium for Advanced Wound Care in San Antonio, TX in May.

Vita Boyar is presenting on neonatal coding for an AAP national webinar in June.

Mariana Brewer is a recipient of NIH Diversity Supplement to National Institute of General Medical Sciences R01 grant that provides salary support for a mentored research project to a member of an underrepresented group in science. She was also awarded Lynn Gambino Research-in-Training Award from Advancing Women in Science and Medicine (AWSM) of Feinstein Institute for Medical Research in May.

Shahana Perveen was awarded RXR Innovation grant for her work on “Congenital Diaphragmatic Hernia and Prenatal Treatment in Rat Model” from AWSM of Feinstein Institute Medical Research in May.

Mariana Brewer has received a diversity enhancement travel award in June to present at 42nd Annual Conference on Shock in Coronado, CA.

Howard Heiman spoke at 17th Annual Airborne Life Support Systems Transport Conference in Austin, TX in May about “Aeromedical Transport Physiology.” He also ran a workshop on high frequency and nitric oxide in transport at the same conference.

Howard Heiman was a key neonatal liaison for the first application of PDA plug placement in a 1200g infant, a first case in New York State.

Robert Koppel, Barry Weinberger and **Mazeen Khalifeh** have received grant funding from New York State Delivery System Reform Program to support their study, “Continuous Vital Sign Monitoring in Asymptomatic Newborns for Prevention of Sudden Unexpected Postnatal Collapse.”

Richard Schanler spoke at the Baylor National Nutrition Conference in Houston on human milk and on nutrition guidelines for the NICU in March 2019. In March, he was a keynote speaker at the NYSPQC Enteral Nutrition Project in Albany where he discussed human milk fortification.

University of Rochester Medical Center/Golisano Children’s Hospital

Kristin Scheible and **Jeffrey Meyers** have both been promoted to Associate Professor of Pediatrics.

Christina Sollinger was appointed as the new Pediatric Clerkship Director for University of Rochester/Golisano Children’s Hospital.

Congratulations to **Laurie Steiner** who is assuming the role of Faculty Affairs Vice Chair of the Department of Pediatrics beginning in July 2019.

Congratulations to **Patricia Chess** on the June 2019 publication of her new book, *Avery’s Neonatology Board Review: Certification and Clinical Refresher*.

Congratulations to **Ruth Lawrence** upon receiving The Charles Force Hutchison and Marjorie Smith Hutchison Medal, which recognizes UR alumni for outstanding achievement and notable service.

Ruth Lawrence received a Lifetime Achievement Award from the NYS Centers of Excellence in Children’s Environmental Health.

Nirupama Laroia organized and hosted the 39th Annual Townsend Teaching Day in Neonatal-Perinatal Medicine held on April 3, 2019. The James W. Kendig Keynote address speaker was **Aloka Patel** from Rush University Medical Center. The title of her talk was “The Evolving Role of Donor Milk.” Other speakers at this day-long conference were **Casey Rosen-Carole, Andrew Dylag, Alison Kent, Blair**

Germain, Elizabeth Winston, and Geoffrey Weinberg.

We bid farewell to three fellows graduating from our Neonatal-Perinatal Fellowship Program:

George Koshy, Blair Germain, and Jonna Marret. Dr. George is heading off to Rapides Regional Medical Center in Alexandria, LA. Dr. Germain is going to Jersey Shore University Medical Center and Ocean Medical Center in Neptune, NJ. Dr. Marret is joining the faculty at Baptist Health Care Systems in Little Rock, AR.

As we bid farewell to our graduating fellows, we welcome our incoming fellows to our Neonatal-Perinatal Program: **Jonathan Burris**, who completed his residency here at the University of Rochester Medical Center; **Igor Khodak**, who completed his residency at NYU Winthrop Hospital in Long Island, NY; and **Angela Tyson**, who completed her Residency at Oklahoma State University Center for Health Sciences in Tulsa, OK.

District III: Susan Aucott

MARYLAND

Johns Hopkins, Baltimore

Ling He, who recently joined the Division and is working on fundamental mechanisms of inflammation and the effects of diabetes, with interest in neonatal origins of adult disease, was promoted to Associate Professor.

Lauren Jantzie joined the Division as an Associate Professor in January 2019. She is an R01-supported scientist who studies inflammation in the neonatal brain and the effects of maternal drug addiction on the neonatal brain. She is working closely with the Neurosciences Intensive Care Nursery.

The Neurosciences Intensive Care Nursery celebrated its 10th anniversary with an exciting two-day conference in May led by **Frances Northington** and featuring speakers such as **Lee Martin** and **Donna Ferriero**, in addition to many faculty and collaborators at Johns Hopkins.

Laura Herzig will join the Division in July 2019 as a NICU Hospitalist, having done her pediatric residency at MUSC.

Riddhi Desai, a former Hopkins pediatric resident, who has been working as a NICU Hospitalist, will be leaving to begin her Neonatal-Perinatal Medicine in July at Rainbow Babies and Children’s Hospital in Cleveland.

Susan Aucott was inducted into the Miller Coulson Academy of Clinical Excellence at Johns Hopkins. The Academy strives to recognize the consummate academic clinician: A well-rounded physician who has achieved a level of mastery in many domains of clinical excellence.

Our 3rd-year fellow, **Michelle Gontasz**, will join us as a Clinical Associate in July 2019. Our other 3rd-year fellows, **Esther Lee** and **Rebecca Dorner**, will continue their research development through T32 training grants.

We successfully matched three fellows to start in July 2019: **Stephanie Baker, Cecilia Kwak** and **Nethra Madurai**, all Johns Hopkins residents.

University of Maryland Medical Center, Baltimore

Colleen Hughes Driscoll, Assistant Professor, Department of Pediatrics, developed and taught a four-part quality and performance improvement workshop in January at the McDonogh School, a coeducational, college preparatory school in Owings Mills, MD. The course, The Science of Better, was open to McDonogh students, faculty, administrators, parents and alumni as part of an innovative curriculum series called McDonogh Works.

Colleen Hughes Driscoll, was interviewed by *Rueters Health* on the impact of rooming-in practices and neonatal falls. The article focuses on Dr. Hughes Driscoll’s recent publication in *Pediatrics*, “In-Hospital Neonatal Falls: An Unintended Consequence of Efforts to Improve Breastfeeding.”

Johana Diaz, Sripriya Sundararajan and **Rose Viscardi**, faculty physicians from the Division of Neonatology, University Of Maryland School Of Medicine, served as mentors for the senior undergraduate capstone bio-engineering students at the Fischell Department of Bioengineering, University of Maryland, College Park. This two-semester Capstone Design course gives the senior students an opportunity to create their own bioengineering design from concept to product under the guidance of faculty and mentors based on clinical need.

Sripriya Sundararajan’s group of senior students were finalists and won the third prize in recognition of exceptional work in the category of design or improvement of a medical device, diagnostic tool, or procedure at the 2019 Fischell Festival and Senior Capstone Design Competition.

NEW JERSEY

MidAtlantic Neonatology Associates, Morristown

MidAtlantic Neonatology Associates hosted their 12th annual neonatology conference, neoFORUM, on June 6th and 7th at Fiddler’s Elbow Country Club (Bedminster, NJ). Speakers for the conference included **Steven Abrams, Munish Gupta, Guilherme Sant’Anna, Annie Janvier, and John Zupancic.**

PENNSYLVANIA

Children’s Hospital of Philadelphia

Neonatology at CHOP welcomes the following physicians to its faculty: **Andrea Duncan**, Associate Professor of Pediatrics coming from the University of Texas School of Medicine in Houston; **Laura Sillers** and **Kesi Yang**, both Assistant Professors of Clinical Pediatrics and coming from CHOP’s Neonatal-Perinatal Fellowship Program; **Tami Stuart**, Assistant Professor of Clinical Pediatrics coming from an Instructor position at UPenn to a clinical faculty role; **Dustin Flannery**, appointed Instructor A, University of Pennsylvania Perelman School of

Medicine, to continue to focus on neonatal antibiotic stewardship; **Sara Handley**, appointed Instructor A, University of Pennsylvania Perelman School of Medicine, will continue her research on the impact of health care structure and process on outcome variation in perinatal care; and **Scott Gordon**, University of Pennsylvania Perelman School of Medicine to continue his work on novel macrophages that develop under direction of interferons in normal pregnancy and in the setting of congenital viral infection.

Neonatology at CHOP also welcomes the following recent graduates as House Physicians in the Neonatal/Infant Intensive Care Unit:

Liandra Presser, graduate from the Icahn School of Medicine at Mount Sinai Residency Program; **Michelle Mejia**, graduate from Baylor College of Medicine's residency program; and **William Corder**, graduate from CHOP's residency program.

Congratulations to the following faculty on their promotions: **Sara DeMauro**, promoted to Associate Professor of Pediatrics; **Kevin Dysart**, promoted to Associate Professor of Clinical Pediatrics; and **Scott Lorich**, promoted to Professor of Pediatrics

Congratulations to the following Neonatologists who are named Top Doc in Philadelphia Magazine for 2019: **Janet Lioy**, **Iyalla Peterside**, **Michael Posencheg**, and **David Munson**.

Summer Elshenawy will be leaving Children's Hospital of Philadelphia in June for a faculty position as Assistant Professor of Pediatrics at Emory University School of Medicine, Atlanta, GA.

Congratulations to **Ursula Nawab** who has been appointed Medical Director of Patient Safety for Children's Hospital of Philadelphia.

The Children's Hospitals Neonatal Consortium is holding its annual symposium November 4-6, 2019 at the Emory Conference Center, Atlanta, GA. All are welcome. Visit www.CHNC.org for further info or to register.

Janet Lioy is the Co-Director for the 16th Annual Advances in Neonatal Perinatal Medicine, being held in October 2019.

On March 13, 2019, over 300 medical professionals from the US and Sweden gathered at the Union League of Philadelphia for Children's Hospital of Philadelphia Fifth Annual Chronic Lung Disease Conference. This marks the conference's largest attendance to date. Save The Date for the Sixth Annual Children's Hospital of Philadelphia Chronic Lung Disease Conference which is expanding to 1½ day conference in 2020. It will be held March 10-11, 2020 at the Union League of Philadelphia. Learn more at chop.cloud-cme.com

Jacquelyn R. Evans received the Kirpalani-Schmidt Faculty Mentoring Award in grateful appreciation for 25 years of excellence in mentoring and career development of faculty and fellows in the Division of Neonatology.

John Flibotte received the Kirpalani-Schmidt Faculty Mentoring Award, voted by the neonatal fellows, in recognition for outstanding contributions to the career development of junior faculty and fellows.

Hallam Hurt received the 2019 Eastern Society for Pediatric Research Mentor of the Year Award as an outstanding teacher who has had a major impact on developing research skills in trainees and launching productive research careers.

Congratulations to **Barbara Schmidt**. She is the 2019 recipient of the prestigious Virginia Apgar Award given by the Section on Neonatal-Perinatal Medicine of the American Academy of Pediatrics to an individual whose career has had a continuing influence on the well-being of newborn infants.

Barbara Schmidt has been awarded the Douglas K. Richardson Award from the PAS/SPR. This award is established in perpetuity to honor the contributions of the late Dr. Douglas K. Richardson to children's health services research and the Society for Pediatric Research and is open to pediatric health services researchers of any specialty.

Diana Montoya-Williams received the Rising Stars in Health-Related Sciences Symposium Travel Grant, The Indiana University School of Public Health and NIDDK-NHMA Academic Medicine Fellow Travel Award from the National Institute of Diabetes and Digestive and Kidney Diseases, Arlington, VA.

Summer Elshenawy is the 2019 recipient of the Faculty Teaching Award in Neonatology presented by the neonatal fellows.

Morgan Hill is the 2019 recipient of the Fellows Teaching Award in Neonatology presented by the neonatology faculty.

John Chuo, Chairman and Co-Founder for SPROUT (Supporting Pediatric Research in Outcomes and Utilization of Telehealth) received notification from the NIH that the SPROUT-CTSA Collaborative Research Network grant was funded. A huge thanks to **David McSwain** and the MUSC team in leading the successful application effort. This is a \$3.6 million, five-year grant focused on supporting the development of telehealth research efforts, metric development, identification of best practices, and development of collaborative policy and advocacy materials across the country. It is a Collaborative Innovation award through the National Center for the Advancement of Translational Science. The program will operate in collaboration with CTSA sites across the country to facilitate research development and support telehealth researchers (current and future) to develop projects and apply for funding.

Heather French received funding from the University of Pennsylvania SPARK-Ed Medical Education Research and Innovation. In addition, she also received a grant from Mead Johnson Nutritionals for the 10th Annual First Year Neonatology Fellow Regional Boot Camp.

Eric Eichenwald presented a lecture, "Caffeine Therapy in Preterm Infants: How Soon, How Much and How Long?" at the 9th SEHA International Neonatology Conference, Abu Dhabi, UAE.

Maria Fraga was the organizer of the 13th European Postgraduate Course in Neonatal and Pediatric Intensive Care. She presented the 2nd Bedside Ultrasound Workshop in Pediatric Emergency, Neonatal and Intensive Care Medicine, hosted by the University of Children's Hospital, Inselspital, Bern, Switzerland, in March 2019.

Michael Posencheg was keynote speaker at The National Organization of Nurse Practitioner Faculties 45th Annual Conference, Atlanta, GA and presented at the Inaugural Learning Session of the Pennsylvania Perinatal Quality Collaborative (PAPQC) on April 24th in Harrisburg, PA.

Anne Ades presented multiple international lectures at 4th Annual National Conference of PediStars in Delhi, India; Guangzhou Women and Children's Medical Center in Guangzhou, China; and 9th SEHA International Neonatology Conference in Abu Dhabi, UAE.

Natalie Rintoul was an invited international lecturer at the 9th SEHA International Neonatology Conference in Abu Dhabi, UAE and at Euro-ELSO in Barcelona, Spain.

Natalie Rintoul, **Anne Ades**, **Susan Williams**, and **Chris Franciscovitch** were invited speakers and trainers at a three-day ECMO course, 2019 Guangzhou Neonatal Membrane Oxygenation (ECMO) Workshop, in Guangzhou, Guangdong Province, China in January.

Mary Cay Harris was a symposium participant and gave a lecture entitled, "Neonatal Sepsis: Improving Early Detection and Outcomes" for the ABC Hospital, Mexico.

Iyalla Peterside gave two presentations at the 5th Latifa Hospital International Pediatrics and Neonatology Conference in Dubai in March. <https://lhpcn.com/>

Dr. Janet Lioy was the Leader of the 3rd PAS Multidisciplinary Hands-on Airway Workshop. She also was an invited guest faculty at the International Pediatric Airway Conference in Geneva, Switzerland, June 2019.

We welcome our incoming fellows: **Katharine Callahan** from New York Presbyterian Hospital, Columbia School of Medicine; **Danielle Callaway** from Baylor College of Medicine; **Sandy Johng** from University of California, San Francisco School of Medicine; **Elizabeth Salazar** from CHOP; **Katherine Schwartz** from Icahn School of Medicine at Mount Sinai; and **Katherine Wild** from CHOP.

We congratulate our graduating fellows!

Katherine Coughlin will be an attending neonatologist at Sharp Mary Birch Hospital for Women and Newborns in San Diego, CA. **Jessica Gaulton** will be Attending Physician in Neonatology and Director of Innovation at New Special Care Associates, Abington Hospital, Jefferson Health, PA. **Scott Gordon** will be

Instructor A, University of Pennsylvania Perelman School of Medicine, basic science research. **Katherine Guttmann** joins the faculty at Mt. Sinai Hospital, NY. **Kesi Yang** will be Assistant Professor of Clinical Pediatrics, University of Pennsylvania Perelman School of Medicine, Children's Hospital of Philadelphia. **Laura Sillers** joins University of Pennsylvania Perelman School of Medicine, Children's Hospital of Philadelphia as Assistant Professor of Clinical Pediatrics. **Heidi Herrick** will be a T32 research trainee and clinical attending, Division of Neonatology at CHOP.

Sincere congrats to fellow **Kathryn Coughlin** for her excellent presentation and the CHOP N/IICU team (**Ursula Nawab, John Flibotte, Theresa O'Connor, Lauren Heimall, Judith Kreger, Sonia Shastry**) for winning First Place in the CHOP Quality and Safety Day for their very impactful QI project, "Eliminating Waste and Improving Safety in the NICU MRI Process."

Congratulations to **Jessica Gaulton** and her tremendous mentorship team, which included **Lori Christ** and **Sindhu Srinivas**, whose incredible innovation project "Healing at Home" described in Philly Voice. <https://www.phillyvoice.com/new-mothers-hospital-stay-penn-medicine-newborn-infants-home-babies-pregnancy/>

Scott Gordon is the recipient of the 2019 SPR Fellows Basic Scientist Research Award. Scott is a basic immunologist and a neonatal fellow who wants to understand how maternal uterine immune cells drive growth of the placenta and fetus. He recently found a new type of uterine macrophage that develops and functions under direction of interferons and interleukin-15, cytokines critically important to a healthy pregnancy.

Christopher Thom is a recipient of the 2019 Marshall Klaus Perinatal Research Awards for his project entitled, "Computational and Biochemical Investigation of Platelet Trait Genetics." He is also recipient of the 2019 Children's Hospital of Philadelphia Foerderer Award and was an invited speaker as Sanjeev Kumar Memorial Lecture Award Finalist, UPenn Biomedical Council Postdoc Annual Symposium.

Fellow **KC Lai** was recipient of the 2019 PAS Travel Award for Young Investigators.

Fellow **Leah Carr** was recipient of the 2019 Women in Neonatology Travel Grant from the AAP Section on Neonatal-Perinatal Medicine. *CHOP Newborn Care Network (CNBC)*

Congratulations to **Olena Kucheruk**, CHQA Improvement Advisor; **Jennifer Cohen**, and **Deek Vanamala**, CHQA Data Analyst for winning 3rd place for their project, "Maintain Euthermia of Newborns during the Golden Hour" at CHOP's 9th Annual Quality and Safety Day held on May 14th.

Marina Ayrapetyan joined the CNBC in the Level III NICU at Einstein Medical Center, Montgomery.

Viviana Vazquez, a dedicated and accomplished pediatric hospitalist in the newborn nursery at CNBC Einstein Montgomery County, relocated to a group in Florida.

Einstein Medical Center, Philadelphia

David L. Schutzman has stepped down as Chief at Einstein Medical Center after 16 years. He was also Chief at another Philly nursery that closed for the prior 19 years. The new Division Chief is **Manny Peregrino**, who came from UPMC, Pinnacle, Harrisburg.

Janet Weis Children's Hospital at Geisinger, Danville

James Cook now serves as the Director of Newborn Services, Geisinger Health System. Dr. Cook has also been awarded two-year funding to establish the Northeast Pennsylvania Perinatal Quality Collaborative (NEPaPQC), which is currently evaluating the identification and treatment of opioid use disorder during pregnancy and the subsequent identification and treatment of neonatal abstinence syndrome in the 15 delivery hospitals located in 22 counties of northcentral and northeastern Pennsylvania. The NEPaPQC is operating in conjunction with the newly-established Pennsylvania Perinatal Quality Collaborative (PA PQC), which held its inaugural meeting in Harrisburg, PA on April 24, 2019.

Ed Everett has been selected as the Director of the Department of Neonatology at Geisinger Danville.

Ray Hayes has been selected as the Medical Director of the NICU at Geisinger Danville

Lauren Johnson-Robbins assumed the role of Interim Site Director of Neonatology at Geisinger Wyoming Valley (GWV) Medical Center in Wilkes-Barre, PA in fall 2018. Dr. Johnson-Robbins is leading the effort for the GWV NICU to provide Level 3 NICU services, which should be established by early fall 2019.

Jayesh Shah will be joining the GWV NICU group in summer 2019. Dr. Shah comes to Geisinger after more than 25 years of practice at the West Virginia School of Medicine, Charleston, WV.

Daniel Adu will be joining the Department of Neonatology in Danville beginning in August 2019. Daniel will complete his neonatology fellowship at the University of Wisconsin-Madison in June.

Penn State Children's Hospital, Hershey

Kristen Glass has been promoted to Associate Professor.

Yana Flores received the 2019 Career Research Excellence Award for the Penn State College of Medicine and was also selected as a 2019 American Thoracic Society Fellow.

Kristen Glass, Mitchell Kresch, and Timothy Palmer received the Dean's Award for Excellence in Teaching for the Penn State College of Medicine.

Heather Stephens received her Doctorate in Clinical Nursing from Rush University.

Fellows **Kashish Mehra, Tracey Harris, and Imtiaz Ahmed** all had presentations/posters at the Pediatric Academic Societies Meeting this spring.

Chintan Gandhi presented at Pediatric Academic Societies Meeting.

Meenakshi Singh was selected as one of the 2019 Pennsylvania Medical Society Top Physicians under 40.

St. Christopher's Hospital for Children, Philadelphia

Vineet Bhandari was Chair at the State of the Art Plenary session entitled, "Bronchopulmonary Dysplasia: Current Clinical Controversies" at the Pediatric Academic Societies Annual Meeting in Baltimore, MD on April 29, 2019. He also co-moderated the PAS platform sessions at the Annual Meeting.

Vineet Bhandari is the Co-Investigator of a Commonwealth Universal Research Enhancement (CURE) formula grant entitled, "Mitophagy and Senescence in the Pathogenesis and Therapeutics of Bronchopulmonary Dysplasia."

Vineet Bhandari was an invited speaker on April 9 and conducted an NIPPV Workshop on April 10 at the Foothills Medical Center/Alberta Children's Hospital, University of Calgary in Alberta, Canada.

Vineet Bhandari was an invited speaker at the 21st annual A Day with the Newborn: An Investment in Our Future at St. Christopher's Hospital for Children, Philadelphia, PA in January.

Margaret Gilfillan received the Young Investigator Faculty Award at the Eastern Society for Pediatric Research meeting in March.

Maria Delivoria-Papadopoulos was an invited speaker at the Metera 40th anniversary meeting commemorating the establishment of neonatal intensive care in Athens.

Jane McGowan has retired from the Section of Neonatology effective February 2019. Jane completed her medical education at the University of Pennsylvania School of Medicine and completed her pediatric residency training at St. Christopher's Hospital. In 1986, Jane entered fellowship at University of Colorado Health Sciences Center. She had been on the faculty at the University of Pennsylvania, MCP-Hahnemann University School of Medicine, and Johns Hopkins University School of Medicine. In 2007, Jane returned to her Philly roots and joined the faculty at St. Chris where she was appointed Medical Director of the Neonatal Intensive Care Unit. Jane is an active member of the Society for Pediatric Research, the American Pediatric Society, and the American Physiological Society. In addition, she has served as a reviewer for the NIH-NICHD and was a member of the Steering Committee of the Neonatal Resuscitation Program, including serving as Co-Editor of the *NRP Instructor Update*. While at Drexel University, Jane was the Associate Chair for Research for the Department

of Pediatrics. Jane was very dedicated to training the next generation of physician-scientists and served as a mentor and role model for many who worked in her laboratory. Finally, we thank her for her deep commitment to patient care and helping babies through research. We wish her all the best!

Payal Trivedi is joining the faculty of St. Christopher's Hospital. Payal received her DO degree from Rowan University School of Osteopathic Medicine. She completed her pediatric residency training at Sinai Hospital of Baltimore and fellowship at Penn State Health Milton C. Hershey Medical Center in Hershey, PA. Her interests include ECMO management and physiology.

Fellow **Mitali Sahni** received the Boggs Award from the Philadelphia Pediatric Society. The title of her talk was, "Novel Biomarkers in Bronchopulmonary Dysplasia and Bronchopulmonary Dysplasia-Associated Pulmonary Hypertension."

WASHINGTON, DC

Children's National Medical Center

Billie Short received the Children's Research Institute Mentorship Award for excellence in the field of clinical medicine.

Anna Penn received the Children's Research Institute Mentorship Award for excellence in the field of basic and translational science.

Fellow **Yvonne Yui** received a Global Health Initiative Exploration in Global Health Award for \$25,000 for "The Impact of a Designated Resuscitation Team on Decreasing Admissions and Providing Appropriate Oxygen Support and Thermoregulation in Advanced Care Center NICUs in Sub-Saharan Africa." She has created an elective for neonatal fellows to travel to Ghana and Uganda to train providers (mostly midwives) on neonatal resuscitation, thermoregulation, respiratory support, and transport.

Attending neonatologist **Mariam Said** will be leaving Children's National Medical Center to become the new NICU Director at Reston Hospital in Virginia, an affiliated NICU of Children's National Medical Center.

Attending neonatologist **Louis Scavo** is now enjoying retirement from the Neonatology Department of Children's National Medical Center.

Graduating fellow **Aditi Gupta** will be joining the neonatology staff at Denver Children's Hospital.

Graduating fellow **Cassandra Montoya** will be joining the neonatology staff at Northwestern/Lurie Children's Hospital in Chicago.

Graduating fellow **Ololadi Okito** will be joining the neonatology staff at Children's National Medical Center in Washington, DC

Georgetown University

Sahasini Kaushal, Assistant Professor of Pediatrics in the Division of Neonatology at MedStar Georgetown University Hospital, has

been selected to attend the 2019 AAMC Early Career Minority Leadership Seminar in June.

Indira Narayanan, Adjunct Professor of Pediatrics, and colleagues in the Division of Neonatology have received a Global Health Initiative Grant from Georgetown University for a project, "Blended Training in Global Health (A Novel Method to Improve Neonatal Care in Ghana and Provide Learning Experiences for International Health Students)."

Pinaki Panigrahi, Professor of Pediatrics will be joining the Division of Neonatology on August 1, 2019. Dr. Panigrahi is known worldwide for his work on sepsis in infants in developing countries, the role of the microbiome, and on synbiotics to prevent sepsis in infants. He will be the Director of International Microbiome Research at Georgetown.

District IV: Brian Hackett

KENTUCKY

University of Kentucky, Lexington

Susana Arriagada, Director of Neonatal Outreach Program at the University of Kentucky, was awarded a district grant from the AAP SoNPM for her project titled, "Telementoring Neonatal Health Care Professionals of Rural Hospitals in Kentucky." In 2018-19, the program reached out to a total of 18 hospitals in Central and Eastern Kentucky and approximately 85 remote-learners including physicians, nurses, and students with videoconferences related to the management of common newborn problems and stabilization for transport.

University of Louisville

Ahbinav Pal received the Fellow's Clinical Research Award from the Society for Pediatric Research at the annual PAS meeting in Baltimore.

NORTH CAROLINA

Betty Cameron Children's Hospital at Norfolk Regional Medical Center, Wilmington

Fernando Moya lectured at the Mexican Congress of Neonatology, Mazatlan, Mexico. He also spoke at the 1st Richard A. Ehrenkranz Neonatology Symposium at the Yale School of Medicine. This Symposium celebrated the legacy of Dr. Ehrenkranz by highlighting up-to-date knowledge on early life exposures and how they affect long-term development.

Duke University, Durham

Greetings from the Bull City! We were proud and excited to get the news in February that **P. Brian Smith** is the #1-NIH funded pediatric researcher in the USA. Brian was named the Sam Katz Professor of Pediatrics last year, and this past month, was named the top Clinical Research Mentor at Duke. In addition to taking call and doing service time with the rest of us in the Division, Brian leads the coordinating center for the NICHD Environmental Influences on Child Health Outcomes (ECHO) program (<https://www.nih.gov/research-training/environmental-influences-child-health-o>

utcomes-echo-program), which also includes leading coordinating center efforts for the IDEa States Pediatric Clinical Trials Network, and studies related to neonatal opioid exposures.

Noelle Younge received notice of award for her K23 from NIDDK, to study interactions between the microbiome and metabolomics measures in the quest to better define healthy growth for extremely preterm infants.

Rachel Greenberg presented the development of a new NICHD Neonatal Research Network BPD risk calculator, and significantly contributed to 16 more of the 23 PAS 2019 abstracts with Duke faculty contributions.

Bill Malcolm has been invited to discuss Duke's home NG feeding program at the upcoming VON Quality Congress.

On the clinical side, **Mollie Warren, Jennifer Peterson** and **Bill Malcolm** have worked with a multidisciplinary team to establish the Cardiac-Neurodevelopmental Follow-Up clinic to complement our Special Infant Care Clinic (SICC) and Transitional Medical Home (TMH) programs.

This summer, **Jennifer Peterson** will take on the job of Medical Director of the Duke Intensive Care Nursery.

Ron Goldberg, the Medical Director of the Duke ICN since 1997, will become the Associate Medical Director, continue as Fellowship Program Director, and continue to be the gold standard neonatologist we'd all like to be.

We celebrate the arrival of three new faculty. **Kristin Weimer** completes her fellowship at Duke this summer and will become Associate Medical Director at Duke Regional Hospital and will continue her work on CMV transmission, treatment and prevention. **Sharla Rent** completes her fellowship at University of Michigan and will join our faculty with a focus on developing her clinical research skills and adding to her contributions in global health. **Trevor Burt** will come to Duke from UCSF to continue and expand his investigations of developmental immunology.

Mission Health System, Ashville

The Mission Health System NICU welcomes **Suzi Suprenant** and **John Hoover** to their care team.

SOUTH CAROLINA

Medical University of South Carolina, Charleston

Heidi Murphy won the Bradley Glenn Hill Award for the Best Abstract for Innovation in ECLS Research at the 35th Annual CNHS Symposium. Her project was "Fluid Overload, Acute Kidney Injury, and Renal Support Therapy in Neonatal ECMO Differ by the Underlying Diagnosis and Differentially Affect Mortality: A Multicenter Retrospective Cohort Study."

One of our 2nd-year fellows, **Ekta Patel**, was recognized as a "Winner" and awarded a platform for her work with **Rita Ryan** on "C3 and C3a in Tracheal Aspirates are Associated with Successful Decannulation from

Extracorporeal Membrane Oxygenation (ECMO) in Pediatric Patients: A Pilot Study” at the 2019 NeoHeart Society meeting.

Fran Koch was promoted to Associate Professor.

Tung Giep will be joining the Division. He will lead our community affiliations and will be Medical Director of the level II nursery at East Cooper Medical Center.

The NeoPharm Conference will be held in Charleston, SC on November 13-15, 2019. This is not only a great conference for neonatologists, but also for nurse practitioners and pharmacist colleagues as well! Confirmed speakers include **Brian Carter, David Bundy, Katherine Vincent, Rita Ryan, Thomas Shaffer, Reese Clark, Sarah Taylor, Sandeep Kuril, Henry Rohrs, Alanna Shiflett, and Toby Cox**. For more information, visit www.musc.edu/cme, call the Office of CME at (843)876-1925, or email gossen@musc.edu.

TENNESSEE

Children's Hospital at Erlanger, Chattanooga

The NICU at the Children's Hospital at Erlanger will welcome three new neonatologists over the summer: **Nicholas Wells, Stephanie Holt** and **Michelle Spencer**.

University of Tennessee Health Science Center/Regional One Health/Le Bonheur Children's Hospital, Memphis

Kent Willis received the Society for Pediatric Research Fellow's Basic Science Research Award at the annual PAS meeting in Baltimore. He also received the Clinical Science Young Investigator Award from the Southern Society for Pediatric Research at the Southern Regional Meetings in New Orleans.

Kacie Dillion and **Rishika Sarkaria** will join as 1st-year fellows in our program.

We hosted the 2nd International PDA Conference at Guest House of Graceland in Memphis in April 2019. **Ajay Talati** and **Mark Weems** were Co-Directors along with pediatric cardiologists **Shyam Sathanandam** and **Ranjit Phillips**.

Ramasubbareddy Dhanireddy is invited as the Guest of Honor and faculty at the AAPI Global Healthcare Summit 2019 in Hyderabad. He will speak on "Neonatal and Infant Mortality" and "Neonatal Nutrition."

Ramesh Krishnan is invited to present at the Indian Academy of Pediatrics (Dharampuri district branch) on June 9th, 2019. He will speak about "Shifting Paradigms of Neonatal Ventilation."

Vanderbilt University Medical Center, Nashville

Mhd Wael Alrifai was appointed HealthIT Clinical Director at Vanderbilt University Medical Center.

Uche Anani participated in the NIH-NMA Academic Career Development Program.

Stephanie Attarian received a grant from the American Academy of Pediatrics Section on Breastfeeding which enabled the Division to

host **Richard Shanler** for Pediatric Research Conference and Pediatric Grand Rounds on the topic of lactation. She also became a Fellow of the Academy of Breastfeeding Medicine.

Holly Engelstad was named Vanderbilt Children's Hospital Neonatal Transport Medical Director.

Josefina Go was promoted to Associate Professor of Clinical Pediatrics in the Vanderbilt University Medical School.

Scott Guthrie received an international travel grant from the US State Department's J. William Fulbright Foreign Scholarship Board to travel to the Republic of Azerbaijan and work with the Azerbaijan Medical University and the Ministry of Health in outreach and education to several of the country's NICUs. This two-week visit included lectures on multiple topics, simulation training, bedside teaching, and meetings with various healthcare leaders throughout the country to discuss ways to improve neonatal healthcare.

Scott Guthrie was invited to speak at the Annual Pediatric Review Conference in Amman, Jordan. This conference attracts 300-400 pediatricians from all over the Middle East. He spoke on "Long-Term Outcomes of Prematurity: What Happens after They Leave the NICU?" and "Using the Laryngeal Mask Airway in Neonates." He also led several workshops to teach attendees how to use the LMA for resuscitation and surfactant administration.

Dupree Hatch was named Director of Quality Improvement and Implementation Research for the Monroe Carell Jr. Children's Hospital. He was also awarded a Turner-Hazinski Research Award for the project, "Developing a Learning Health System for Mechanical Ventilation."

Jennifer Herington was invited to speak at the Myometrium Satellite Symposium of the 2019 Annual Meeting of the Society for Reproductive Investigation.

Christopher Lehmann is co-chairing the Health IT for the Care Continuum Task Force at the Office of the National Coordinator for Health IT focused on the Pediatric Certification of Electronic Health Records.

BC Paria was promoted to Professor of Pediatrics with tenure in the Vanderbilt University School of Medicine.

Stephen Patrick was promoted to Associate Professor of Pediatrics with tenure in the Vanderbilt University School of Medicine. He was also named the Director of the new Vanderbilt Center for Child Health Policy (www.childpolicy.org).

Stephen Patrick received the Society for Pediatric Research 2019 Young Investigator Award. He continues to serve as a national expert on the opioid epidemic and its impact on pregnant women and their infants, speaking at national meetings including the Association of Medical School Pediatric Department Chairs Annual Meeting, the Society for Pediatric Anesthesiology, and the AAP 2019 Workshop on Neonatal-Perinatal Practice Strategies.

Erin Plosa was named to the Assembly on Respiratory Cell and Molecular Biology Program Committee for the American Thoracic Society.

Elaine Shelton was an invited speaker on KATP channels as novel therapeutic targets in the ductus arteriosus at the 2019 Pediatric Academic Societies Annual Meeting in Baltimore.

Stacy Slagle joined the Vanderbilt faculty as an Assistant Professor of Clinical Pediatrics and staff neonatologist at our Jackson-Madison County General Hospital campus on January 1, 2019.

Jennifer Sucre was awarded a Parker B. Francis Fellowship for her studies on Wnt signaling in bronchopulmonary dysplasia. She was also named to the Executive Committee of the Assembly of Respiratory Cellular and Molecular Biology, American Thoracic Society.

Dupree Hatch, Hendrik Weitkamp, and Scott Guthrie were invited to speak at the Baku International Neonatology Conference held in December in Baku, Azerbaijan. Dr. Hatch spoke on "Benzodiazepine Use in Critically Ill Preterm and Term Newborns." Dr. Weitkamp spoke on "Necrotizing Enterocolitis: The Menace in the NICU." Dr. Guthrie spoke on "Long-Term Outcomes of Prematurity: What Happens after They Leave the NICU?" This was the 1st international neonatology conference in Azerbaijan and included Russian, Turkish, and Jordanian speakers. Over 120 attended the conference.

Laura Shashy was named Chief Fellow for 2019-20.

We have had to say goodbye to several faculty members. **Marilyn Robinson** retired in December 2018 after many years of outstanding service to our patients in the Jackson Madison County General Hospital NICU. **Sarah Majstoravich** departed in January to join the neonatology practice at Coastal Carolina in Wilmington, NC. **Stephanie Holt** will be leaving us in June to join the faculty at Erlanger Children's Hospital in Chattanooga, TN. **Melinda Markham** left Vanderbilt in May to join the Neonatology Division at Indiana University/Riley Children's Hospital in Indianapolis, IN.

In June, the Division will graduate four outstanding fellows. Chief fellow **Matthew Kieft** has accepted a faculty position at Nationwide Children's Hospital and The Ohio State University College of Medicine in Columbus, OH. **Samantha Eschborn** has accepted a faculty position at Memorial Health University Medical Center in Savannah, GA. **Susan Lopata** and **Ryan Skeens** will be joining the faculty at Vanderbilt University Medical Center.

In July, the Division welcomes four new neonatal-perinatal medicine fellows: **David Brooks** from Creighton University School of Medicine/University of Nebraska, **Caitlin Jacowski** from Vanderbilt University Medical Center, **Genesis Licona** from Vanderbilt University Medical Center and **Kevin Patel** from Children's Hospital of Los Angeles.

Save the date! The 39th Annual Neonatology Symposium on Advances and Controversies in Neonatal Medicine will be held November 7-8, 2019 in Music City. Guest speakers include: **Michael K. Georgieff**, University of Minnesota Masonic Children's Hospital; **Hannah Glass**, University of California, San Francisco Benioff Children's Hospital; **Martin Keszler**, Women & Infants Hospital in Rhode Island; **Paul Rozance**, Children's Hospital Colorado; and **James L. Wynn**, University of Florida Health Shands Children's Hospital. For further information on content and registration, contact Angie Tune (angietune@vmc.org).

VIRGINIA

University of Virginia, Charlottesville

Congratulations to **Bryne Sullivan** on her recent K23 funding for her predictive monitoring work for sepsis and NEC in collaboration with Columbia University and Washington University, St. Louis. Her grant is entitled, "Integrated Physiologic Biomarker and Clinical Predictive Analytics for Early Warning of Sepsis and Necrotizing Enterocolitis in Very Low Birth Weight Infants."

Santina Zanelli is a co-investigator with **Lisa Letzkus** on a newly funded R03 grant entitled, "NEO Rehab Program for Premature Infants at Risk for Cerebral Palsy."

Rob Sinkin received the Best Bedside Manner Award from *OurHealth Magazine*. He was also part of the course faculty for the XXXVII San Jose Children's Hospital Pediatric Update Course in April in San Jose, Costa Rica. He spoke on neonatal abstinence syndrome, neonatal encephalopathy and cooling, and updates to the NRP program.

Jonathan Swanson was invited to the Johns Hopkins Children's Hospital City-Wide Neonatology Conference in January and spoke on redefining necrotizing enterocolitis. He also spoke at the 1st East Coast Regional Symposium on Innovations in Human Milk: Putting Evidence into Practice conference in Boston and was a guest lecturer at Mercy Children's Hospital in St. Louis.

We will miss our graduating fellows. **Corrie Alonzo** will be joining the Colorado Permanente Medical Group in Denver, CO. **Namrita Odackal** will also be headed to Colorado. We wish them both well!

We are welcoming two new fellows. **Megan Rook** will be staying with us after completing her residency at the University of Virginia and **Jaclyn York** will be joining us after finishing residency at Tufts University.

David Kaufman was appointed to the Committee on Fetus and Newborn by the Board of Directors of the AAP beginning July 1, 2019 for six-year term. He also presented at the 10th International Conference on Clinical Neonatology in Venice, Italy in June.

District V: Beena Sood

Mark your calendars for Friday, September 6 and Saturday, September 7, 2019!

Please join us for the combined AAP Districts V and VI neonatology meeting Controversies in Neonatal Clinical Care at Chicago's Magnificent Mile. The program features hot topics in neonatal medicine and is an excellent opportunity to network with colleagues across the regions. Neonatal fellows are encouraged to attend as well, travel scholarships are available. The conference will be held at the Hilton Magnificent Mile Suites, one block from North Michigan Ave's "Magnificent Mile" shopping and entertainment district. Room reservations can be made at any time through early August here: <http://group.hilton.com/ASSOCOFNEONATOLOGISTS>. Meeting registration is online at the AAP site. Don't forget to make both hotel reservations and register for the meeting!

INDIANA

Indiana University School of Medicine and Riley Children's Health, Indianapolis

Beatrice Stefanescu joined the IUSM faculty as an Associate Professor of Pediatrics and Medical Director of the Riley level 4 NICU.

Scott Denne was presented with the Founder Award at Midwest SPR.

Melissa Klitzman, neonatal hospitalist, was selected to attend the AAMC Minority Faculty Leadership Development Seminar.

Greg Sokol's study entitled, "Physiological Approach to Sodium Supplementation in Preterm Infants" was chosen by the Thrasher Research Fund for an award.

Paul Winchester received a grant from the John Templeton Foundation, sub-award with Washington State University (PI **Michael Skinner**) for their project, "Epigenetic Diagnostics for Preventative Medicine."

Paul Winchester received a private foundation grant with Charles Benbrook, which will be administered through St. Francis Foundation.

Peyton Manning Children's Hospital/St. Vincent Women's Hospital, Indianapolis

Markus Tauscher was an invited speaker at the 4th international convention and 13th annual meeting of the Philippine Society of Newborn Medicine: Refining Decision-Making in Neonatal Respiratory Care in Manila, Philippines from February 6-8, 2019. The topics of his plenary lectures were "Acceptable Oxygen Saturations" and "New Modalities in Surfactant Administration."

MICHIGAN

Wayne State University/Detroit Medical Center

The Division of Neonatal-Perinatal Medicine held its 11th Annual Dr. Sophie Womack Invited Lectureship at Children's Hospital of Michigan on May 24th, 2019. The keynote speaker was **Girija Ganesh Konduri**, Section Chief, Neonatology, Children's Hospital of Wisconsin,

Professor and Chief, the Medical College of Wisconsin.

In honor of Ronald L. Poland (1st Chief of the Division of Neonatal-Perinatal Medicine at WSU Department of Pediatrics, Children's Hospital of Michigan and Hutzel Women's Hospital), the 1st Ronald Poland and Seetha Shankaran Annual Invited Lectureship will be held on October 17-18th, 2019. **Kristi Watterberg** will be the keynote speaker.

Congratulations to our graduating fellows! **Amit Sharma** will be joining Memorial Hospital of Carbondale IL. **Dhruv Gupta** will be joining Mednax at The Hospitals of Providence and Del Sol Medical Center at El Paso, TX. **Mahesh Mahaseth** will be joining St. Vincent Hospital, Toledo, OH.

Our new fellows are **Carl Tabb** and **Cindy Agu** from Children's Hospital of Michigan, and Minkyung Choe from University of South Alabama.

OHIO

Cincinnati Children's Hospital Medical Center

Jae Kim has accepted the position of Director of the Division of Neonatology, effective September 1, 2019. Dr. Kim comes to Cincinnati Children's Hospital from the University of California-San Diego where he is a Professor of Pediatrics with dual appointments in the Divisions of Neonatology and Pediatric Gastroenterology.

We would like to congratulate our 2019 Neonatal-Perinatal Fellowship graduates.

Shreyas Arya will be joining the faculty at Dayton Children's Hospital. **Thomas Duggan** will be joining the faculty at SUNY Downstate Medical Center in Brooklyn, NY. **Viral Jain** will pursue a research career in Neonatology and Pulmonary Biology at Cincinnati Children's Hospital. **Sai Mukthapuram** will be joining the faculty at Cincinnati Children's Hospital. **Lisa Marie Pivoszkin** will be joining a private practice at Parkview Regional Medical Center in Fort Wayne, IN.

We would like to welcome our incoming 1st-year Neonatal-Perinatal Fellows. **Faris N. Al-Gharaibeh**, **Leah Fox**, **Manisha Mills**, **Katelyn Seither**, **Christa Tabacaru**, and **Indu Varier**.

Alan Jobe, Professor of Pediatrics at Cincinnati Children's Hospital, contributed to the 10th annual International Neonatology Symposium in Bangkok, Thailand.

Kathy Wedig-Stevie received The Rachel Hutzel Prevention Partner Award at the PreventionFIRST Annual Community Awards Luncheon on April 26th in honor of her dedication to preventing intergenerational substance abuse.

Horacio Falciglia Sergio, Professor Emeritus, Cincinnati Children's Hospital received the Outstanding Teaching Award, Pediatric Medical Students, University of Cincinnati College of Medicine at the Spring Award Meeting of the Cincinnati Pediatric Society.

Beena Kamath-Rayne will be leaving Cincinnati Children's Hospital to join the AAP as Vice President of Global Newborn and Child Health.

Cleveland Clinic Children's Hospital

Michelle Elias-Ruiz and **Yoav Littner** will be leaving the Neonatology Department.

Cleveland Clinic Children's, in collaboration with MetroHealth, will conduct the 4th annual State-of-the-Art Reviews in Neonatal-Perinatal Medicine Conference on September 12-14, 2019. The Conference will be held at the InterContinental Cleveland Hotel. Please visit our website: ccfme.org/neonatal2019

The Department of Neonatology at Cleveland Clinic Children's started a Neonatal Brain Club Lecture Series. This monthly lecture series is broadcast via Skype. Presented lectures include neonatal EEG interpretation, neonatal MRI, head ultrasound, and placental pathology. For additional information for those who are interested in joining, please contact Veronica Amaya at amayav@ccf.org

MetroHealth Medical Center, Cleveland

Congratulations to **Sharon Groh-Wargo**, Neonatal Nutritionist and Professor at Case Western Reserve University, who is being awarded a 2019 Medallion Award for a lifetime of dedication to the high standards of the nutrition and dietetics profession through active participation, leadership, and devotion to serving others in nutrition and dietetics as well as allied health fields by the Academy of Nutrition and Dietetics.



Sharon Groh-Wargo

Prem Shekhawat was promoted to Professor of Pediatrics at Case Western Reserve University School of Medicine.

Fond goodbyes to our graduating fellows.

Anudeepa Sharma is joining Midland Memorial Hospital, Midland, TX. **Gretchen Kopec** is joining OSF HealthCare Children's Hospital of Illinois in Peoria. **Yasser Al-Jebawi** is joining Joe DiMaggio Children's Hospital, Hollywood, FL. We are proud of you all!

We welcome our incoming 1st-year fellows starting in July: **Marwa Elgendy**, **Naveen Kannekanti**, and **Ibrahim Quetta**.

Nationwide Children's Hospital, Columbus

Richard E. McCleod, Jr., Professor Emeritus at The Ohio State University College of Medicine and former Associate Chief Medical Officer at Nationwide Children's Hospital (NCH) in Columbus, OH, will be retiring this year with over 40 years of service at Nationwide Children's, formerly Columbus Children's

Hospital. He received his MD from The Ohio State University College of Medicine in 1974, and completed his pediatric residency at Columbus Children's Hospital in 1976 and neonatal fellowship at Case Western Reserve University/Rainbow Babies and Children's Hospital in 1979. He returned to Columbus to become an attending physician in the NICU in 1979. His love for providing the best care possible for all babies drove his career and led him to getting his Master's in Healthcare Administration in 1997 and to become a Quality Improvement expert. This love led him away from the bedside to head the Quality Improvement Department at NCH and to the role of Associate Chief Medical Officer. Along with **Richard Brill**, he founded and is the Co-Editor-in-Chief of *Pediatric Quality and Safety*, an international, peer-reviewed, online journal.

Hevil Shah is in his final month of neonatology fellowship at Nationwide Children's Hospital and will be joining the group at Cook Children's Hospital in Fort Worth, TX. During the course of his fellowship, he also went to graduate school at The Ohio State University and received his Masters of Arts in Bioethics.

Fellows **Julie Dillard** and **Leeann Pavlek** both received the AAP 2019 Marshall Klaus Neonatal-Perinatal Research Award.

Rainbow Babies and Children's Hospital, Cleveland

The 11th edition of Fanaroff and Martin, the longstanding Neonatal-Perinatal Medicine text edited by **Richard Martin**, **Avroy Fanaroff** and **Michele Walsh** was released in June 2019.

The 11th Bangkok International Neonatology Conference is slated for February 26-March 1, 2020. This meeting, chaired by **Richard Martin** and his Thai colleague, **Sarayut Supapannachart**, attracts almost 500

neonatologists from Southeast Asia and beyond. Faculty for 2020 include **Avroy Fanaroff**, **Steve Abman**, **Bob Christensen**, **Eduardo Bancalari**, **Teresa del-Moral**, and **Roger Soll** from the US as well as **Nikki Robertson** and **Neena Modi** from the UK.

Fellows **Lisa Mitchell**, **Becky Walsh**, **Lindsey Forur** and **Abhrajit Ganguly** presented their research and QI work at the PAS meeting in Baltimore.

In July, we will welcome five new fellows.

Allison Osborne is from the Rainbow Babies and Children's residency program. **Anna Benson** is also from Rainbow and just finished a year as Chief Resident. **Riddhi Desai** worked with us for a year as a NICU hospitalist and is completing a NICU hospitalist year at Johns Hopkins where she did her residency training. **Alicia Heyward** comes to us from Marshall University and **Sarah Jordan-Crowe** is from Thomas Jefferson University.

Qin Yao will be leaving Rainbow for the University of Virginia. Qin, who completed her fellowship at Rainbow, served as the Neonatal Transport Director and most recently, as the Medical Director for the Rainbow 4 Transitional Care Nursery. She will be greatly missed!

Gulgun Yalcinkaya and **Mary Elaine Patrinos** have been named Associate Directors of the Rainbow 4 Transitional Care Nursery.

Arielle Olicker will take over for **Gulgun Yalcinkaya** as the Neonatal Transport Director.

Allison Payne has been named Program Director for the Neonatal-Perinatal Fellowship Program. **Jess Madden** will be Associate Program Director.

Best wishes to our graduating fellows as they move on to the next step in their careers!

Abhrajit Ganguly will join University of Oklahoma Health Sciences Center in Oklahoma City, OK. **Becky Walsh** heads to Integris Health System, also in Oklahoma City, OK. **Lisa Mitchell** joins Carl R. Darnell Army Medical Center, Fort Hood, TX. **Lindsey Forur** will remain as a fellow for a short time and is considering opportunities in the Cleveland area.

Ajay Prakash Anvekar will be joining our faculty in the Division of Neonatology. Dr. Anvekar complete his medical school training and subsequent pediatric residency in India. He then completed his advanced training in neonatology in Australia. He complete the basic and advanced Certificate in Clinician Performing Ultrasound Course run by the Australasian Society for Ultrasound in Medicine. Dr. Anvekar then moved to Toronto, Canada to pursue the TnECHO fellowship at SickKids. His areas of interest are hemodynamics in BPD-associated pulmonary hypertension and iNO-refractory pulmonary hypertension.

Congratulations to graduating fellow **Lisa Mitchell!** On June 10th, she was promoted to Major, US Army. The promotion ceremony was led by **Rainbow NICU nurse Major Jennifer Traylor**, USAF, retired.

District VI:
Thomas George

Josh Petrikin from Children's Mercy/University of Missouri, Kansas City, has been elected as the new District VI representative – please congratulate him and welcome to your new role, Josh! I thank you for the opportunity to have served as your District VI representative for the last seven years. It has absolutely been a terrific highlight of my career, and I encourage you all to get involved with your District and your Section on Neonatal Perinatal Medicine! – Tom George

Mark your calendars for Friday, September 6 and Saturday, September 7, 2019! Please join us for the combined AAP Districts V and VI neonatology meeting Controversies in Neonatal Clinical Care at Chicago's Magnificent Mile. The program features hot topics in neonatal medicine and is an excellent opportunity to network with colleagues across the regions. Neonatal fellows are encouraged to attend as well, travel scholarships are available. The conference will be held at the Hilton Magnificent Mile Suites, one block from North Michigan Avenue's "Magnificent Mile" shopping and entertainment district. Room reservations

can be made at any time through early August here:

<http://group.hilton.com/ASSOCOFNEONATOLOGISTS>. Meeting registration is online at the AAP site. Don't forget to make both hotel reservations and register for the meeting!

ILLINOIS

Ann & Robert H. Lurie Children's Hospital/Northwestern University, Chicago

Lurie Children's is pleased to host the Midwest SPR conference this year on October 24-25, 2019. Announcements regarding abstract submission, meeting details, and registration will be available soon.

We are excited to welcome our newest trainees this summer: **Ivana Brajkovic** from University of California San Francisco, **Beanie Meadow** from Children's Hospital of Philadelphia, **Riana Riffle** from Yale, and **Dan York** from Lurie/Northwestern.

Monti Sharma won the Basic Science Award for 1st year fellows and **Kendall Ulbrich** won the Clinical Science Award for 2nd year fellows at Research Scholar's Day, out of the 90+ pediatric fellows at Lurie.

Kendall Ulbrich was the recipient of a travel award for the AAP Women in Neonatology meeting.

We are proud of our graduating fellows and their many accomplishments! **Kshama Shah** will join the faculty at Children's Hospital Los Angeles and **Andy Franklin** will join Northshore University Hospital in Evanston, IL. We are thrilled to have **Stephanie Marshall** join our faculty here at Lurie Children's.

We also pleased to welcome **Cassie Montoya** to our faculty following her fellowship graduation from Children's National Medical Center.

Arika Gupta, Shamik Trivedi, and Leslie Caldarelli organized the first Midwest Neonatal Simulation Fellow Boot Camp in Chicago, hosted at Lurie Children's in collaboration with University of Chicago and University of Illinois at Chicago. Nine programs from the Midwest will send 24 fellows for the two-day event on July 13th and 14th.

Aaron Hamvas and a large collaborative team from Northwestern, including the McCormick School for Engineering, were featured in several national news stories featuring their publication in *Science* for the development and validation of wireless sensor technology for monitoring physiology in the NICU.

Isabelle De Plaen received a R01 from the NIH to study the role of the intestinal microvasculature in necrotizing enterocolitis.

Several faculty, including **Megan Lagoski, Nic Porta, Natasha Henner, Karna Murthy, Kerri Machut, Mary Robbins, Karen Mestan, Jimmy Collins, and Aaron Hamvas** are developing our Chronic Infant Lung Disorders (ChILD) bronchopulmonary dysplasia referral program at Lurie. This multidisciplinary program will provide comprehensive, longitudinal care to infants with BPD.

Mary Robbins was appointed to the Steering Committee for the Neonatal and Developing Lung Interest Group of the American Thoracic Society. This group provides a platform for neonatologists, developmental biologists, and pulmonologists to interact around common themes of lung development and injury.

Maria Dizon and our NeuroNICU team are completing a neonatal autoregulation educational module and developing an antiepileptic drug quality improvement project.

Natasha Henner and **Jessica Fry** continue to expand our perinatal palliative care program.

Natasha Henner was the keynote speaker at the Greater Illinois Pediatric Palliative Care Coalition regional conference on December 4, 2018.

Karnika Mehrota and her mentor **Daniel Robinson** received one of the Robert Louis Katz Summer Scholars Program Awards for their project "Defining Intake of Arachidonic Acid and Docosahexaenoic Acid in Human Milk-Fed Preterm Infants."

Melissa Ruprich and her mentor **Kenny Kronforst** received one of the Stanley Manne Children's Research Institute Summer Scholarship Awards for their project "A Restricted MicroRNA Panel for Cerebral Palsy."

Shamik Trivedi will be assuming the role of Neonatal Transport Director for Lurie.

Gustave Falciglia serves as the Clinical Practice Director for the Lurie NICU.

Shawn Sen was selected as one of the AAP Young Physician Leadership Alliance faculty mentors for the upcoming three-year term.

Kerri Machut is developing telehealth programming for the Division, starting with a project to support outreach partner hospitals.

Kenny Kronforst is serving as quality improvement consultant for telehealth for the Division.

Children's Hospital of Illinois at OSF HealthCare/University of Illinois, Peoria

We welcome **Kristopher "KC" Rosburg** who will be joining on as faculty starting August 1st. He is currently completing his fellowship training at Nationwide Children's Hospital.

We welcome **Moustafa Aouthmany** who will be joining OSF St. Joseph's Medical Center as faculty starting July 1st. He is currently working as a neonatologist at Valley Baptist Medical Center.

Ashley Fischer was awarded the Resident Faculty Mentor Research Award and placed first for platform presentation at the Annual OSF Research Day for, "Reducing Antibiotic Exposure in a Level 4 NICU and Newborn Nursery."

Juanita Corrales was given the Award of Excellence with Best Use of Data at the 6th Annual Illinois Perinatal Quality Collaborative Conference.

The Neonatal Transport Conference Big Feats for Little Feet will be held at the Jump Trading

Simulation and Education Center in Peoria, IL on Monday, September 9, 2019.

M. Jawad Javed was selected to the Board of Directors for Ronald McDonald House Charities of Central Illinois.

Susan Ramiro received a combination grant of \$250,000 to participate in a collaborative study on whole genome sequencing.

Praveen Kumar received a Children's Hospital of Illinois Research Grant to study "Urinary Biomarkers of Renal Injury in Neonates Born to Mothers with Preeclampsia."

IOWA

University of Iowa Stead Family Children's Hospital, Iowa City

The University of Iowa welcomes three new faculty members for the 2018-19 academic year. **Patrick McNamara**, from SickKids Hospital in Toronto joined as the new Division Chief. **Regan Giesinger**, also from SickKids joined as the Director of the Hemodynamics Program. **Heidi Harmon**, from Riley Children's Hospital, Indianapolis joined as the Director of the Neonatal Follow-up Program. We also welcome **Jeff Murray** back to the Division to continue his illustrious career and support the academic development of junior research faculty and trainees. We wish **Jeff Segar**, who devoted many years of exceptional leadership to the Division, well in his new position at the Children's Hospital of Wisconsin, Milwaukee. We thank Jeff for his tremendous efforts in building an exceptional academic program. We also wish **Erica LeClair** well in her new role as Medical Director at Covenant Medical Center, Waterloo and thank her for her exceptional clinical service and dedication.

Edward Bell was the recipient of the mentorship award at the 2019 Pediatric Academic Society meeting in Baltimore and the Distinguished Mentor Award at the University of Iowa.

John Dagle was the recipient of the 2019 University of Iowa Leonard Tow Humanism in Medicine Award.

The Division was well represented at the 2019 Pediatric Academic Society meeting with more than 20 presentations, including 4 platform presentations.

The establishment of the Hemodynamics Program at the University of Iowa has been a major addition to the routine clinical care service, with more than 600 clinical consultations in the past 9 months. The Hemodynamics Fellowship, which will start in the 2019-20 academic year, is the first GME accredited program of its kind in the United States.

KANSAS

Sunflower Neonatology Associates, Overland Park

Sunflower Neonatology Associates is pleased to welcome **Sam Burns**. He completed his MS in Anatomy and Neurobiology and MD at the University of Arkansas. He finished his

neonatology fellowship there in 2012. He practiced in San Antonio and then went back to the University of Arkansas to practice and teach as an Assistant Professor of Pediatrics. Most recently he has been practicing in Jonesboro, AR at the St. Bernard's Medical Center. Sam has broad clinical experience and has served in leadership of NICU QI initiatives and in administrative roles.

MINNESOTA

Children's Minnesota, Minneapolis/St. Paul

Children's Minnesota continues to expand its integrated neonatology program, recently welcoming **Pankaj Nagaraj** from Unity Point Health Allen Hospital and St. Luke's Hospital, **Abby Faulman** who will join us after completing fellowship at the University of Colorado, **Jen Berger** who will join us after completing her fellowship at the University of Iowa, and **Lia Graveri** who has been on the faculty at the University of Louisville.

University of Minnesota Masonic Children's Hospital, Minneapolis

We are excited that our graduating fellows **Marie Hickey** and **Ellen Ingolfsland** will be joining our faculty this summer. We also welcome two new 1st-year fellows, **Lauren Buckley** (University of Minnesota residency) and **Erin Morris** (University of Utah residency).

MISSOURI

Cardinal Glennon Children's Hospital/St. Louis University, St. Louis

Amit Mathur, currently Professor of Pediatrics at Washington University in St. Louis, will be joining St. Louis University Division of Neonatal Perinatal Medicine, starting June 17th.

Children's Mercy Hospital/University of Missouri, Kansas City

Fu-Sheng Chou was appointed Adjunct Clinical Assistant Professor in the Department of Pathology and Laboratory Medicine at the University of Kansas Medical Center.

Fu-Sheng Chou and his lab presented their work with two abstracts at the 2019 Pediatric Academic Society and will be presenting their findings at the International Society for Stem Cell Research in June 2019.

William Truog led a panel discussion at the 2019 Pediatric Academic Society meeting titled "21st Century Clinical Trials: Challenges and Opportunities."

Brian Carter, who is the Co-Director of the CMH Pediatric Bioethics Certificate Course, graduated another 35 students from various pediatric professional fields and 11 countries this May. Eight graduates were neonatology clinicians including 1 fellow, 3 neonatologists (1 from Germany and 1 from Colombia), 1 hospitalist (from South Africa), and 3 NNPs. This continues the thread of neonatology professionals taking advantage of ethics training over the past eight years.

Dena Hubbard and neonatal fellow, **Karishma Rao**, were awarded a 2019 Community Pediatrics Training Initiative (CPTI) Advocacy

Training Grant. The faculty-trainee pair attended the AAP Legislative Conference in Washington, DC. They will work over the next year on a project to improve advocacy training for pediatric residency programs in Kansas and empower pediatricians-in-training to speak up for children.

Dena Hubbard was a panelist for the 2019 AAP Legislative Conference plenary session "FOSTER: Advocating for Children in the Child Welfare System" along with **Deborah Oppenheimer**, producer of the HBO film *FOSTER*, and **Stefanie Sprow** from Children's Defense Fund. Dr. Hubbard represented the Kansas chapter and their success in advocating for legislation to enact and implement Family First Prevention Services Act. She also served as faculty in the workshop session, "Putting Families First: State Advocacy Opportunities Implementing a Critical Child Welfare Law" along with **Zach Laris**, AAP staff member.

In March 2019, the Intensive Care Nursery at Children's Mercy Hospital Kansas City opened its Small Baby Unit. The systematic process was facilitated through our involvement in the VON NICQ collaborative and consisted of geographical separation, additional staff training, and standardization of medical management through consensus building.

St. Francis Medical Center, Cape Girardeau

Alan Barnette was named to the Board of the Missouri Foundation for Health.

St. Louis Children's Hospital/Washington University, St. Louis

Washington University in St. Louis celebrated the 30+ year legacy of **F. Sessions Cole** and his accomplishments as Division Director for Newborn Medicine. The F. Sessions Cole, MD Chair in Newborn Medicine has been established in his honor. Dr. Cole has stepped down as Division Chief to become the PI for the Washington University School of Medicine site within the NIH/U01 Undiagnosed Disease Network (UDN). The UDN is organized by the National Human Genome Research Institute and Office of Rare Diseases to facilitate research in the etiology of undiagnosed diseases through genotyping, phenotyping and documenting environmental exposures.

Barbara Warner has taken the Division Director position as of January 2019. She received her training in neonatal-perinatal medicine at Cincinnati Children's Hospital and moved to Washington University 12 years ago. She is NIH-funded for work in the gut microbiome and remains active within fetal care serving on the Scientific Oversight Committee for the North American Fetal Therapy Network.

Jagu Anadkat will take over **Barbara Warner's** responsibilities as the Co-Medical Director for the Fetal Care Center.

Misty Good and **Jennifer Wambach** are completing a successful 1st year as Program Directors.

We bid good-bye to our departing fellows! **Alexandra Lahart**, **Patrick Sloan** and **Halana**

Whitehead will join us as faculty in July. **June Hu** will be joining the faculty at UT Southwestern. **Carla Sanders** and **Jeff Hoover** will be taking private practice jobs in Nashville and California respectively. Kudos for jobs well done!

We welcome six new fellows: **Rachael Fewell**, **Dan Mammel** and **Ellen Schill** coming from their residencies at SLCH/WUSTL; **Rachel Witt** from a year as a pediatric hospitalist; **Lila Wahidi Nola** from the University of Missouri; and **Ameena Husain** from Advocate Children's Hospital. We look forward to being part of their clinical and research training.

Shawn O'Conner will be conducting a fellows' boot camp in July at the Saigh Pediatric Simulation Center. For more information or registration go to: <http://pediatrics.wustl.edu/newborn/Neonatal-Perinatal-Simulation-Boot-Camp/Bootcamp-Info> rmation

Steve Liao is now the Department Chair for Pediatrics at Missouri Baptist Medical Center and will lead the medical and administrative teams at that site.

Haley Freidman is the AAP Training and Early Career Neonatologists (TECaN) Advocacy Chair and Co-Chair of the 1st TECaN advocacy education campaign entitled "Navigating NAS."

Haley Freidman, along with **Steve Liao** and **Barbara Cohan**, with Obstetrics and Perinatal Behavioral Health have opened CARES (Clinic for Acceptance, Recovery, and Empowerment). This is a multidisciplinary team caring for women with Opioid Use Disorder in pregnancy and includes prenatal consultation and a new follow-up program for infants with NAS. **Steve Liao** has been appointed to the Illinois Perinatal Quality Collaborative Neonatal Advisory Group for "Mothers and Newborns affected by Opioids projects". They are helping to provide a culture change in our support and treatment of mothers and their babies.

We had excellent representation at this year's recent Pediatric Academic society meeting with **Misty Good**, **June Hu**, **Amit Mathur**, **Hallie Morris**, **Julie Nogee**, **Chris McPherson**, **Rakesh Rao**, **Zach Vesoulis**, **Jennifer Wambach** **Halana Whitehead**, **Alex Lahart**, **Barbara Warner** and **Sesh Cole** presenting work and/or moderating sessions.

Two of our talented young investigators recently received funding. **Zachary Vesoulis** received a NIH SBIR award for an easy-to-use low-cost brain monitor for objective evaluation for seizures in neonatal abstinence syndrome. **Cindy Ortinau** received a NIH K23 to examine the physiologic and genetic contributions of impaired fetal circulation in congenital heart disease.

Misty Good obtained R01 Funding to study the modulation of the intestine immune response in necrotizing enterocolitis. She was instrumental in Washington University School of Medicine receiving the Burroughs Wellcome Fund Institutional Award for Physician Scientist, designed to increase the number of single MDs

who enter research and she will serve as site co-PI.

NEBRASKA

Children's Hospital and Medical Center/University of Nebraska, Omaha

Ann Anderson Berry has been named the Chief for the Division of Neonatology at UNMC/CHMC.

Ann Anderson Berry was selected to participate in the Hedwig van Ameringen Executive Leadership in Academic Medicine® Program for the 2019-2020 fellowship class.

Lynne Willett retired from UNMC/Children's Hospital and Medical Center in the spring of this year, but continues to hold an Adjunct Faculty Position at UNMC.

Nathan Gollehon was named the Vice Chancellor for Education for the Department of Pediatrics at UNMC.

SOUTH DAKOTA

Sanford Children's Hospital/University of South Dakota, Sioux Falls

Dennis Stevens and **Dave Munson** are retiring this summer.

District VII: Clara Song

ARKANSAS

University of Arkansas for Medical Sciences/Arkansas Children's Hospital, Little Rock

Robert Arrington was honored by the UAMS/ACH Neonatology Section faculty with the establishment of the Robert Arrington Endowed Lectureship. The 1st lecture was given by **Ganesh Konduri**, University of Wisconsin, who was one of the 1st fellows trained by Dr. Arrington. Dr. Arrington led the Neonatology Section for over 38 years and is in his 45th year on the UAMS faculty.

Robert Arrington received the UAMS Master Teacher Award in May.

Bryan Burke, Jr. retired from the Section of Neonatology on April 28th. Bryan describes himself as a "PGY-40," having trained in Arkansas and worked here for much of his life. Bryan was Section Chief of General Pediatrics in

Grand Rapids, MI from 1987-2004, where he began a pediatric hospitalist service at the Hellen DeVos Children's Hospital. He then moved back to Arkansas and became a neonatal hospitalist in the Section of Neonatology at UAMS until his retirement.

Ashley Ross and the Arkansas Children's Hospital Nursery Alliance was awarded the annual Betty A. Lowe Award by the Arkansas Children's Hospital Foundation for making significant contributions to the health and well-being of the children of Arkansas.

Ashley Ross was honored with the 2019 Ruth Olive Beall Award, awarded biannually to a physician of distinction who consistently displays the Arkansas Children's values of safety, teamwork, compassion and excellence.

On May 9, 2019, **Ashley Ross** was invested in the Walmart Endowed Chair in Neonatology as the 2nd recipient. **Robert Arrington** held the chair for the 1st ten years starting in 2009. Funds from the Chair have been used to support ongoing research efforts in neonatology and to expand outreach.

Francesca Miquel-Verges was elected to the AAP Section of Transport Medicine Executive Committee as the Neonatology Representative.

Stephanie Korff will be joining the Section of Neonatology at the University of Arkansas for Medical Sciences and Arkansas Children's Hospital as a Clinician Educator in August 2019 after completing her fellowship at the Medical University of South Carolina.

We welcome **Sarah Perez** and **Thomas Nienaber** who will be joining our neonatal fellowship program this July. Drs. Perez and Nienaber completed their pediatric residencies at UAMS.

MISSISSIPPI

University of Mississippi Medical Center, Jackson

The Division had a very successful SSPR meeting in New Orleans. **Chi Talati**, a 3rd year fellow, won the top Basic Science Young Investigator Award. **Sumana Ramarao** received a SSPR Young Faculty Travel Award and presented her research. **Pradeep Alur** and **Jagdish Desai** had platform presentations. Faculty and fellows presented 4 other posters:

Tasha Coleman, Jaimin Patel, Parvesh Garg and **Jagdish Desai**.

Mobolaji Famuyide was elected to the SSPR Council.

UMMC has been part of the multi-centered randomized controlled trial from ONTPD comparing traditional didactic education to the flipped classroom.

Pradeep Alur has been awarded a \$40,000 grant titled, "Association between Weight for Length and Severity of Bronchopulmonary Dysplasia in Preterm Infants." It has been funded through the Pilot Projects Program of The Mississippi Center for Clinical and Translational Research, a part of National Institute of General Medical Sciences.

Jaimin Patel was elected as Board Member for the 2nd consecutive year for Epic Neonatology Steering Board. He was also selected as Co-Chair for Clinical Decision Support Group at University of Mississippi Medical Center.

Jaimin Patel has been awarded an Intra-Departmental Discovery Program Grant for "Evolution of Microbiome in Extremely Low Birth Weight Neonates."

Jaimin Patel was invited for a platform presentation at the PDA Symposium held in Memphis, TN.

Renate Savich was an invited speaker at the 2018 Hot Topics in Neonatology in Washington, DC.

Renate Savich was Visiting Professor at Rainbow Babies and Children's Hospital in January 2019. She spoke at the Richard J. Martin, MD Lectureship on "US and Ohio Health Disparities in Neonatal and Maternal Outcomes Related to Race and Ethnicity: Why Are We So Bad?" She also presented "Neonatal Resuscitation: Current Controversies and Updates."

Renate Savich was an invited speaker at the 3rd Arab Neonatal Pediatrics Review Course in Bucharest, Romania in April 2019.

Renate Savich organized the 3rd Academic Division Chiefs in Neonatal-Perinatal Medicine meeting at the 2019 Pediatric Academic Societies Meetings in Baltimore.

Renate Savich was on the Steering Committee for the Women in Neonatology Conference April

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31-May 1, 2019 at the Workshop on Perinatal Practice in Scottsdale, AZ.

Chirag Talati, 3rd year fellow, received a PAS 2019 Travel Award for Young Investigators and won second place in the resident/post-doc/fellow category, honoring Excellence in Science, at the Southern Biomedical Engineering Conference.

OKLAHOMA

University of Oklahoma Health Sciences Center, Oklahoma City

The 3rd Annual Neonatal Resuscitation Symposium at OU will take place on Friday, September 27, 2019 at the Samis Education Center at The Children's Hospital at OU Medical Center. Organizing Committee Members are: **Edgardo Szyld, Marilyn Escobedo, Clara Song, Birju Shah, Michelle Blunt, and Amy Manfredo.**



Faizah Bhatti has been appointed the Director of Communications for the SSPR. She will be leading a team to redesign and rebuild the website, promote Society activity and advertising on social media, and will be a liaison with other sister organizations.

Benazir Drabu was honored with the 2017-2018 Outstanding Faculty Award.

Hala Chaaban was invited to speak at the 2019 AWHONN Oklahoma Section Conference in Norman, OK and the 2nd NEC Symposium at Ann Arbor, MI.

Hala Chabaan and Birju Shah received an NIH R44 grant for their project entitled, "Rapid Test to Assist Therapy in Neonatal Sepsis and Necrotizing Enterocolitis."

Kimberly Ernst was reappointed for a two-year term to the AAP Committee on Hospital Care and was appointed to the Executive Committee of the Oklahoma County Family Drug Court.

Abhi Makkar and Kimberly Ernst are Oklahoma site co-PIs for the NIH-funded IDeA States Project that includes 17 states and Puerto Rico. The ACT NOW: Advancing Clinical Trials in NOWs Initiative evaluates treatment options and improves the clinical care of infants with Neonatal Abstinence Syndrome.

Marilyn Escobedo, Professor and Reba McEntire Chair Emeritus, is completing her four-year term as Co-Chair of the NRP Steering Committee this spring. She was also a Committee Member from 2003-2009 and SoNPM liaison to the Committee from 1990-1992, a total of 12 years of service over the past three decades. She gave an NRP Live Update Webinar on February 28, 2019 and she is

currently serving as the Chair of the AHA/NRP Writing Group.

Marilyn Escobedo led a session on "Next Steps in your Career" at the SSPR meeting in New Orleans in February 2019.

Marilyn Escobedo spoke on "When Health Impacts a Physician" at the Scottsdale SoNPM WECaN meeting in April 2019.

Clara H. Song and Marilyn Escobedo, as members of the Women in Neonatology Steering Committee, organized the program and presented at the meeting in Scottsdale in April 2019.

Clara H. Song will be chairing the SoNPM Abstract Program at the 2019 AAP NCE in New Orleans, LA.

TEXAS

Baylor College of Medicine, Houston

Michael E. Speer assumed the position of Chair of the Executive Committee for the Texas Collaborative for Healthy Mothers and Babies.

Michael E. Speer was elected Chairman of the Board of Trustees for the Gulf Coast Regional Blood Center in Houston, TX.

Charleta Guillory was one of five Baylor faculty who received 2019 Women of Excellence Awards. The other awardees were **Karen Johnson, Lakshmi Katakam, Krithika Lingappan, and Jenelle Little**. This award celebrates individuals who have demonstrated extraordinary dedication to issues that affect women at Baylor College of Medicine or in the larger community and recognizes their meritorious academic accomplishments and commitment to the mission and vision of Baylor.

Charleta Guillory received the President's Cup Award at the American Academy of Pediatrics Committee of Federal Government Affairs Conference in Washington, DC, on February 25th, and she was honored as a Houston Community Champion and role model by KPRC's Khambrel Marshall, celebrating her many achievements in the Houston community and statewide.

George T. Mandy received the Clark Award from Baylor College of Medicine. This award honors faculty members whose exemplary service contributions have not been recognized previously through an institution-level award by the College. Recipients of this prestigious award represent their professions and Baylor's mission, vision and values at the highest level, and have made significant, enduring service contributions to the College.

Xanthi Couroucli received the 2019 American Thoracic Society Assembly on Pediatrics Clinician Educator Award.

Charles Roitsch, a 3rd-year fellow, received the 2019 Arnold J. Rudolph award given to a senior fellow who exemplifies the character and professionalism of the late Dr. Rudolph.

Bhagavatula Moorthy gave an invited lecture at the recent Society of Toxicology meeting in Baltimore, MD on the "Mechanistic Role of

Cytochrome P4501A and 1B1 Enzymes in the Metabolism of Reactive Oxygen Species Mediated Formation of Lipid Hydroperoxides: Implications for Hyperoxic Lung Injury and Human ARDS."

Gautham Suresh gave an invited lecture entitled, "Burnout and Resilience in Neonatology at Newborn Medicine Grand Rounds, Boston Children's Hospital/Harvard Medical School, Boston, MA in February.

Leonard Weisman, MD, FAAP, Professor of Pediatrics, has announced that he will be retiring after 25 years on the active faculty at the end of this academic year.

Pediatrix Medical Group Dallas South

Arpitha Chiruvolu was nominated for Dallas Fort Worth Hospital Council Employee (Physician) of the Year Award 2018 from Baylor Scott & White Health Medical Center McKinney.

UTMB Galveston

Construction continues on our new 61-bed NICU with single-patient rooms and several larger rooms to accommodate multiples. Estimated date of completion is April 2020.

UTMB has a new hospital in Clear Lake which opened March 30, 2019. Currently, we have Level II nursery there, and if the service shows consistent growth, there may be a Level III unit in the future.

John Coon completes his fellowship at UTMB in June 2019, and will be joining the faculty as our newest neonatologist in July.

UT Southwestern, Dallas

We welcomed new faculty to the Division. **Angelis Demitrios** graduated from the Neonatal-Perinatal Medicine Fellowship at St. Christopher's Hospital for Children in Philadelphia in 2014. He was an Assistant Professor at Texas Tech University, Odessa, TX. His interest is neonatal HIE. **Neeta Goli** graduated from the pediatric residency at Cincinnati Children's Hospital Medical Center in 2016, then she was with the Children's Health Pediatric Group. She is focused on normal newborn care.

Charles Rosenfeld was appointed Professor Emeritus effective March 1st, 2019.

Lina Chalok was selected as an Editorial Apprentice by *Pediatric Research* and was invited to join the NIH NST-1 Study Section.

Vishal Kapadia was a lead simulation faculty during NRP Seminar held in Orlando during the AAP NCE. **Katherine Stumpf** and **Britni Maple** also were invited simulation faculty for the seminar.

Vishal Kapadia gave a NRP live webinar in August. Over 400 NRP instructors joined to discuss NRP algorithm.

Vishal Kapadia was invited faculty member for the Neonatal Resuscitation Conference on October 11th held at University of Oklahoma.

Laura Rubinos was an invited speaker at IX Congreso Internacional de Neonatología in Puebla, Mexico and Asociación de Pediatría

Mexicana – XV Congreso Internacional de Temas Selectos de Neonatología in Chiapas, Mexico.

Becky Ennis was accepted into the Certificate Program in Pediatric Bioethics, 2019-20.

Mackenzie Frost's Enhanced Learning Session on residency scholarly work was accepted by APPD.

Julie Mirpuri was invited speaker at Connecticut Children's Medical Center Grand Rounds in June.

The Division implemented Neonatal Quality Improvement Presentations that occur on a quarterly basis and review quality metrics for our entire neonatal system which encompasses four hospitals (three Level III, one Level IV), 20,000 deliveries and 250 NICU beds.

District VIII: James Barry

ALASKA

Alaska Neonatology Associates, Anchorage

The 43rd Annual District VIII Conference will be held in Anchorage, AK on June 27-30th, 2019 at the Hotel Captain Hook. Topics will include ethics, genetics, and new technology for management of critically ill newborns. **Joseph Livingston** is the Conference Chair.

Jack Jacob is an invited speaker for the Conference for Neonatology and the 43rd Annual AAP District VIII Section on Neonatal-Perinatal Medicine Conference.

Jack Jacob is retiring in 2019.

Lily Lou has begun her role of SoNPM Chair-Elect following Mark Hudak who is now Section Chair.

Lily Lou has been appointed as Chief Medical Officer for the State of Alaska Department of Health and Social Services.

Evelyn Rider is now the Practice Director for Alaska Neonatology.

Jennifer Scoble is now Medical Director of Providence Alaska Medical Center.

COLORADO

University of Colorado, Aurora

James Barry is currently the District VIII Representative on the Executive Committee of the AAP SoNPM. He is also a Topic Lead on the SoNPM Quality Measures Task Force.

Lauren Beard has been appointed as Medical Director for University of Colorado Highlands Ranch NICU and a new faculty member of the University of Colorado School of Medicine in the Department of Pediatrics, Section of Neonatology. Dr. Beard is also now the Colorado Representative on the District VIII Council for the SoNPM of the AAP.

Eileen Chang received a Colorado Clinical and Translational Sciences Institute Child Maternal Health pilot award under the mentorship of **Laura Brown**. Her research focus is improving

our understanding of how intrauterine growth restriction affects the fetal heart.

Robert Dietz was one of seven biomedical research scientists selected for the prestigious Boettcher Foundation's Webb-Waring Biomedical Research Award that supports promising early career researchers. Dr. Dietz's research focus for this award is on developing a better understanding of the functional recovery and reversal of impairment after ischemia in the developing brain.

Theresa Grover won the Daniel M. Hall Teaching Award for exemplary teaching of fellows within the Neonatal-Perinatal Medicine Fellowship Program of the University of Colorado School of Medicine. Dr. Grover has also been selected as a clinical advisor on the SoNPM Quality Measures Task Force.

Susan Hwang recently completed her PhD in Health Services Research from the University of Colorado Graduate School and School of Public Health. Dr. Hwang's dissertation was on the impact of state policies and programs on racial/ethnic disparities in supine sleep positioning among preterm and term infants.

Susan Hwang continues to lead the statewide collaborative, Colorado Hospitals Substance Exposed Newborn Quality Improvement Collaborative, supported by the University of Colorado Medicine Medicaid Upper Payment Limit Grant.

Paul Rozance has been elected Secretary Treasurer of the Society for Reproductive Investigation.

Elizabeth Thilo long-time member of *Neoreviews Plus* Editorial Board will be retiring in the fall of 2019 on the faculty on the University of Colorado School of Medicine.

The Colorado School of Medicine Section of Neonatology has established the Lulu Lubchenco Annual Lectureship focusing on improving neonatal outcomes. The inaugural lecturer was Rear Admiral **Wanda Barfield**.

Four fellows from the Neonatal-Perinatal Medicine Program at the University of Colorado School of Medicine were selected to receive the Marshall Klaus Perinatal Research Award. The fellows are: **Sarah Cilvik**, **Britany Butler**, **Cynthia Schreiner**, and **Kathleen Hannan**. The AAP and SoNPM initiated the award to enhance and support the research skills of physicians training in neonatal-perinatal medicine. Congratulations to these outstanding clinician researchers!

Megan Kirkley and **Laura Marrs** won the annual Gerald L. Merenstein Award. This is given to the fellow in the Neonatal-Perinatal Medicine Fellowship Program at the University of Colorado School of Medicine who best emulates the qualities exemplified by Dr. Merenstein during his esteemed career. For 2019, there was a tie and both of these outstanding fellows will receive the well-deserved recognition.

Congratulations to our four graduating fellows. **Abigail Faulman** has taken a neonatology

position at Children's Minnesota in Minneapolis, MN. **Megan Kirkley** will become an Assistant Professor in the Department of Pediatrics and Section of Neonatology at Denver Health Medical Center. **Jane Stremming** and **Laura Marrs** will be joining the faculty of the University of Colorado School of Medicine in the Department of Pediatrics, Section of Neonatology.

The University of Colorado School of Medicine Neonatal-Perinatal Fellowship Program will be welcoming four new fellows this summer: **Nicolle Fernandez Dyess** from the University of Texas Southwestern, **Brianna Michelle Liberio** from the University of Cincinnati School of Medicine, **Priya Mukherjee** from Georgetown University School of Medicine, and **Danielle Sarah Roberts** from Texas A&M Health Science Center College of Medicine.

OREGON

The Oregon Health and Science University, Portland

The 4th annual Northwest Neonatal Improvement Priority Alliance Meeting will be held Friday, September 13, 2019 at Chemeketa Eola. The featured speaker will be **Henry Lee** from Stanford University School of Medicine.

The OHSU Neonatal-Perinatal Medicine Fellowship Program congratulates **Emily Carter** and **Kelli Lund** on their completion of fellowship training. Dr. Carter will be joining the faculty at OHSU while Dr. Lund will be joining the faculty at the University of Utah in Salt Lake, UT.

The OHSU NPM Fellowship Program would like to welcome two new incoming 1st year fellows: **Sasha Ondusko** from OHSU and **Lauren Culbertson** from Rainbow Babies and Children's Hospital, Cleveland, OH.

Cindy McEvoy, Professor of Pediatrics and Director of Neonatal Research, was recently named the Credit Union for Kids Endowed Professor in Pediatric Research and is now the Director of Maternal Child Health Research for the Department of Pediatrics.

Jamie Warren, Associate Professor of Pediatrics and Vice Chair of Clinical Services at OHSU, initiated the Growing @ Home Program at OHSU, a pilot program to help infants transition from NICU to home with the support of tele-technology.

Brian Jordan, Assistant Professor of Pediatrics at OHSU, was awarded a KL2 grant entitled, "Trajectories of Lung Function in Extremely Premature Infants," using pulmonary function tests in premature infants to study how lung function changes during the preterm period.

UTAH

University of Utah, Salt Lake City

Mariana Baserga has been promoted to Professor of Pediatrics, Clinical Track.

Luca Brunelli will join the University of Utah School of Medicine after being Professor of Pediatrics at the University of Nebraska in Omaha. Dr. Brunelli will assume the position as Director, Neonatal Genomics Program.

Belinda Chan is the 1st member of the University of Utah School of Medicine, Division of Neonatology, to be credentialed for Point of Care Ultrasound (POCUS). Dr. Chan is leading the development/training for the Division's POCUS Program.

Jessica Davidson is coordinating the Division's Neonatology Invited Professor Series.

Jack Dolcourt is retiring July 1, 2019 after 40 years of service in the Division of Neonatology. Dr. Dolcourt has also served the past 10 years as the Associate Dean for Continuing Medical Education for the University of Utah School of Medicine.

Whitley Hulse, a graduate of University of Kansas Medical School and University of Colorado Pediatric Residency Program, will join the University of Utah's Neonatal-Perinatal Fellowship Program in July 2019.

Lisa Joss-Moore has been promoted to Professor of Pediatrics, Tenure Track.

Kelli Lund will join the University of Utah School of Medicine as a Visiting Instructor from the Oregon Health and Science University. Dr. Lund has a clinical and research focus on neonatal telehealth.

Nora Switchenko will join the University of Utah School of Medicine as a Visiting Instructor. Dr. Switchenko's research focus is in the field of global medicine.

WASHINGTON

University of Washington School of Medicine/Seattle Children's Hospital

New neonatology faculty hired this past year include: **Toby Cohen**, Clinical Professor of Pediatrics; **Janessa Law**, Assistant Professor of Pediatrics; **Mihai Puia-Dumitrescu**, Assistant Professor of Pediatrics; **Ulrike Mietzsch**, Clinical Associate Professor of Pediatrics; **Tommy Wood**, neuroscientist/researcher.

Sunny Juul is currently serving as the Chair of the Neonatal Sub-Board of the ABP.

Sunny Juul was an invited speaker at the Grand Challenges meeting in Berlin, Germany, where she spoke on "Neuroprotective Strategies for High Risk Newborns" in October 2018.

Robert DiGeronimo is the Chair-Elect for the AAP District VIII Section on Neonatal-Perinatal Medicine.

District IX:
Andrew O. Hopper

CALIFORNIA

California Association of Neonatologists (CAN)

The 2020 CAN Cool Topics Meeting will be held March 6-8, 2020.

Fayez Bany-Mohammed assumed the office of CAN President in March 2019 and **Robert Kahle** was elected Vice President/President-Elect of CAN.

The 25th Annual CAN/AAP District IX SoNPM Conference, Cool Topics in Neonatology, and the California Perinatal Quality Care Collaborative (CPQCC) Pre-Conference were held March 1-3, 2019 at the Coronado Island Marriott Resort. **Alistair Philip** gave the keynote address. A gala celebration dinner honoring the 25th Anniversary of CAN was held on March 2nd and organized by **Dilip Bhatt**.

The 15th Annual Life after Fellowship Workshop was held on March 1, 2019 as part of the annual Cool Topics in Neonatology Educational Meeting. The workshop is jointly sponsored by CAN, District IX SoNPM, Harbor UCLA and TECan. Approximately 25 NPM fellows attended the full-day workshop that covered various aspects of professional development and the business of neonatology including personal work-life balance and selecting the right career. The Program Committee includes **Rangasamy Ramanathan**, **Soina Dargan**, **Virender Rehan**, **Meera Sankar**, **Christine Bixby** and **Adrian Lavery**.

The CAN Research and Education Committee (Co-Chairs: **Meera Sankar**, **Jaе Kim**) has been conducting conference calls on a monthly basis with good member participation and engagement. Some of the ongoing projects discussed during the monthly calls include: TCB Study (PIs: **Dilip Bhatt**, **Rangasamy Ramanathan**, **Meera Sankar**); Liquid Human Milk Fortifier Study; Probiotics Study; Directory Database (collaboration with Pediatric Trials Network). The VLBW Follow-up via Texting project is on hold.

The CAN Research Committee is interested in encouraging fellow and resident participation with trainee-driven proposals.

California Perinatal Quality Care Collaborative (CPQCC)

Follow CPQCC news and updates on our website (www.cpqcc.org) or on Twitter (@CPQCC) or Facebook ([facebook.com/cpqcc](https://www.facebook.com/cpqcc)).

CPQCC's Director of Quality, **Paul Sharek**, has transitioned to a new position as Vice President and Chief Quality and Safety Officer at Seattle Children's Hospital. We are grateful for Paul's ten years of service, leadership, and innovation for CPQCC.

Courtney Nisbet, Associate Director of Quality, has assumed leadership and management of the Perinatal Quality Improvement Panel (PQIP). In addition, Courtney is Co-Director of the ongoing Grow, Babies, Grow! collaborative. She is joined by Co-Director, **Kurlen Payton**, Associate NICU Director at Cedars-Sinai Medical Center.

Jochen Profit has taken on the role of Chief Quality Officer, developing and directing CPQCC's QI strategy and offerings.

CPQCC's two ongoing QI projects have continued to make progress. Simulating Success, a project designed to improve teamwork and communication during neonatal resuscitations through on-site, simulation-based

training has now engaged with the 4th and final cohort.

Grow, Babies, Grow! (GBG) is CPQCC's 6th multi-site QI collaborative. The focus is improving VLBW growth and nutrition with the goal of reducing the proportion of infants with growth failure at discharge. Twenty-two CPQCC sites are participating in GBG. They are more than halfway through the active phase of the project. Interaction between sites continues between learning sessions #2 and #3 with monthly webcasts during which their teams report on their successes and challenges and are able to learn from the experiences of their peers. As a new addition to this collaborative, we have provided the opportunity for individual site QI consultations with members of the expert panel.

CPQCC's PQIP has been hard at work over the last several months, with several subcommittees actively engaged in developing new features designed to strengthen QI support to member hospitals and broaden our reach with our QI activities.

PQIP's Data Interface and Opportunities Committee (DIOC) has been updating CPQCC's report offerings to serve a more extensive range of member hospitals better and allow for more targeted quality improvement. DIOC will pilot the new reports with a small group of hospitals before rolling them out to everyone. More information on new reports will be shared once available.

The QI Infrastructure Committee is developing a new model of QI support for hospitals that have not previously participated in CPQCC's traditional QI collaboratives. The new model will be less intensive than the collaborative model, but will still include access QI and content experts who will guide hospitals to improve outcomes in the chosen topic area. This new model is specifically designed to help smaller NICUs and those that have not previously participated in a CPQCC QI project to achieve their QI goals. As with the new reports, the model will be pilot tested with a small number of hospitals before it is formally launched to the rest of the membership.

In partnership with the California Maternal Quality Care Collaborative and Health Management Associates, CPQCC will engage in an effort to improve care for mothers and newborns affected by opioid use. The project team has gathered a multidisciplinary taskforce to work on this issue and will be rolling out a toolkit and implementation plan over this coming year. The taskforce is grateful to other state collaboratives and experts that have been helping us in this effort based on their experiences and prior work. In addition to this project, we will also be conducting a voluntary data collection effort for member NICUs interested in collecting data on maternal drug exposure and NAS. We are grateful for the group working on this initiative and in particular, the Co-Chairs **Robert Castro**, **Lisa Chyi**, and **Angela Huang**. Sites that are interested in

joining the workgroup should submit a ticket at CPQCC's Help Desk (www.cpqcchelp.org).

Alta Bates Summit Medical Center, Berkeley

The NICU at Alta Bates successfully launched its therapeutic hypothermia program for perinatal HIE in January 2019.

California Kaiser Permanente

TPMG (Kaiser Permanente Northern California) has just appointed **Nwando Eze** as its next Regional Medical Director of Neonatology as **Allen Fischer** completes his 17-year tenure in that role. Dr. Eze completed her Doctor of Medicine degree at UC Davis and an Executive Masters in Public Health at UCLA School of Public Health. She completed her residency at CHOC Children's Hospital Orange County followed by her fellowship at Harbor UCLA. She has been in TPMG at the large Roseville NICU since 2015. Dr. Fischer, with multiple successful initiatives under his leadership, enabled TPMG to achieve CCS certification and led the state and nation in quality care. Internationally, long-term outcomes have improved related to antibiotic stewardship with the creation of the neonatal sepsis calculator. Dr. Fischer will be continuing in his role in the Mid-Atlantic region supporting neonatology services and will also be engaged with the DOR, further developing clinical and operational outcomes regarding perinatal microbiome research.

Southern California Kaiser Permanente has been experiencing a steady drop in NICU admissions over the last decade, dropping from 16% of births in 2010 to 10% of births in 2018, in association with several QI initiatives focusing on the early-onset sepsis risk calculator implementation, rooming in of well babies of ≥ 35 weeks and ≥ 2000 g, and our OB-Gyn group's efforts to decrease inductions before 39 weeks GA.

California Pacific Medical Center Van Ness Campus, San Francisco

The California Pacific Medical Center Neonatology Group moved into their new 35-bed NICU at the CPMC Van Ness Campus in early March.

Children's Hospital Los Angeles

Philippe Friedlich and **David Miller** co-direct the Fetal and Neonatal Institute at Children's Hospital Los Angeles. We are proud that CHLA is among the nation's top-ranked hospitals for fetal and neonatology care, with one of the most innovative models in the country for the care and treatment of the most complex maternal-fetal and neonatal conditions.

Under **Philippe Friedlich's** endowment of the Teresa and Byron Pollitt Family Chair in Fetal and Neonatal Medicine, and its mission to develop new knowledge to impact neonates with complex health issues, we welcome the following new faculty members to join our Laboratory in Fetal and Neonatal Healthcare Research: **Neha Kumbhat** has joined our Outcome Research Program at CHLA and the Keck School of Medicine of the University of

The Section would like to thank the following sponsors:

Abbott Nutrition

NeoReviews/NeoReviews Plus
Section Newsletter
Virginia Appgar Award
Thomas Cone Jr History Lectureship
L Joseph Butterfield Lectureship
Perinatal Spring Workshop
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TECaN NCE & Workshop Travel Grants
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NICHD Young Investigator Conference
NCE Poster Session & Reception
ONTPD Networking Session
NeoPREP
Appgar Award Dinner
Women in Neonatology
TECaN NCE Reception

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Mid-Career Neonatologists (MidCaN)
Klaus Grants
Perinatal Spring Workshop
4 Fellows Conferences on Perinatal Research
Perinatal & Developmental Medicine Symposia (2)
ONTPD Lunch at NCE
Women in Neonatology
Prolacta
Women in Neonatology

Southern California. Dr. Khumbhat will be appointed to the rank of Assistant Professor of Clinical Pediatrics. Dr. Kumbhat received her medical degree from the Grant Medical College and Medical Center Bombay, India in 2003. She also obtained a Master's in Epidemiology and Clinical Research at the Stanford School of Medicine in 2019. She completed her internship and residency in pediatrics at the Brookdale University Hospital and Medical Center in Brooklyn New York in 2010 and her fellowship training at the Stanford University School of Medicine in 2019.

Bridget DiPrisco has joined our Outcome Research Program. Dr. DiPrisco will be appointed to the rank of Assistant Professor of Clinical Pediatrics. Dr. DiPrisco received her MD from the NYU School of Medicine in 2013. She completed her internship and residency in pediatrics at the Children's Hospital of Philadelphia in 2016 and her fellowship training in the Harvard Neonatal-Perinatal Medicine Program at Boston Children's Hospital in 2019.

Kshama Shah has joined our Outcome Research Program. Dr. Shah will be appointed to the rank of Assistant Professor of Clinical Pediatrics. Dr. Shah received her MD from the University of Florida College of Medicine in 2012 and a Master's in Public Health from the University of California Los Angeles in 2010. She obtained a Master's of Arts in Public Policy from the Harris School of Public Policy at the University of Chicago in 2016. She completed

her internship and residency in pediatrics at the University of Chicago Medical Center in 2016 and her fellowship training at Northwestern University McGaw Medical Center in the Neonatal-Perinatal Medicine Program in 2019.

Claire Baldauf has joined our Outcome Research Program. Dr. Baldauf will be appointed to the rank of Assistant Professor of Clinical Pediatrics. Dr. Baldauf received her MD from the University of California Davis in 2011. She completed her internship and residency in pediatrics at the University of California Los Angeles in 2014 and her fellowship training at the University of California Los Angeles in 2017.

Vanisha Singhi has joined our Division at the rank of Assistant Professor of Clinical Pediatrics (Clinical-Educator). Dr. Singhi received her MD from the SUNY School of Medicine, Syracuse, in 2010. She completed her internship and residency in pediatrics and her fellowship training at the Steve and Alexandra Cohen Children's Hospital Medical Center, New Hyde Park, NY in 2013 and 2016 respectively. Dr. Singhi was part of the Division of Neonatology at Staten Island University Hospital. She served as the Director of Neonatal Quality Improvement as well as the Director of the Human Milk Program. Dr. Singhi will become the Medical Director of the Hollywood Presbyterian Medical Center NICU. We are pleased to announce the creation of a two-year research fellowship in Neonatal Health Care Outcomes. Candidates with a strong

commitment for an academic experience in neonatal health care outcomes and a research career in neonatology will be provided an opportunity to develop expertise in neonatal outcomes, biostatistics and epidemiology, and health care policy and economics. Supported in part by the Teresa and Byron Pollitt Family Chair in Fetal and Neonatal Medicine, our program brings together the USC faculty at Keck (Departments of Pediatrics, Surgery and the School of Preventive Medicine) and the USC Schaeffer Center of Health Policy and Economics. Candidates will be supported to enroll in a USC graduate degree program in Applied Biostatistics and Epidemiology, Public Health or Health Economics. For information, the Program Director, **Ashwini Lakshmanan**, can be contacted at alakshmanan@chla.usc.edu.

Leah Yieh is the recipient of Saban Research Institute funding for the Pediatric Scientist Program. Dr. Yieh is using decision-analytic modeling and cost-effectiveness analysis to understand the clinical and financial implications of perinatal interventions at the population level that will produce optimal outcomes for patients and caregivers. Her research aims to provide a framework for standardized clinical practices and inform health policy directives. Some of her current research projects include evaluating the cost-effectiveness of therapeutic hypothermia for infants with mild HIE and resource utilization in neonates with gastroschisis and esophageal atresia.

We welcome new members of our Advanced Professional Provider team: **Soojin Lee** joins our team from Christiana Care Health System in Newark, DE; **Clarissa Ledford** joins us from Children's Hospital of Philadelphia; **Lily Sarin-Gulian** completed her pediatric residency at the University of California Los Angeles; **Jane Hwang** completed her pediatric residency at LAC+USC Medical Center; **Stephanie Schnell** completed her pediatric residency at Children's Hospital of Philadelphia; and **Razleen Brar** completed her pediatric residency at the University of California Irvine.

Tai-Wei Wu and **Jessica Wisnowski** are co-investigators and enrolling patients in a multisite study evaluating erythropoietin along with hypothermia in HIE in newborns.

Rachel Chapman and **Philippe Friedlich** are co-investigators and enrolling patients in a multisite study, "Intravenous Remodulin (Trepstinil) as Add-on Therapy for the Treatment of Persistent Pulmonary Hypertension of the Newborn."

Within our Fetal Maternal Center **Ramen Chmait** is currently enrolling patients for "In Utero Percutaneous Endoscopic Correction of Myelomeningocele."

We have received a new grant from the Sharon D. Lund Foundation and another from the Zumberge Diversity and Inclusion Award at USC that will support research aimed to reduce health disparities and improve health outcomes

for high-risk newborns and children seen at CHLA.

Ashwini Lakshmanan will lead a culturally-tailored mHealth patient navigation project for families seen in the NICU. The mHealth platform will support telehealth visits, provide easily accessible information focused on how to care for high risk newborns, and includes a guide to accessing social public services (e.g., developmental services, food and income assistance).

CHOC Children's, Orange

We are pleased to announce and welcome five new neonatologists for 2019: **Amir Ansari** (residency at Hurley Medical Center in Flint, MI; fellowship at Harbor UCLA), **Nicole Flores-Fenlon** (residency at CHLA; fellowship at LAC+USC/CHLA), **Katrina Halloran** (residency at University of Arizona; fellowship at UC Davis), **Kristi Kambestad** (residency at Mattel Children's UCLA; fellowship at LAC+USC/CHLA), and **Liesbeth Maggioletto** (residency and fellowship at UCLA).

We are pleased to welcome a new neonatal hospitalist. **Carole Kohen** completed her pediatric residency at Brookdale Hospital Medical Center in Brooklyn, NY and a fellowship in pediatric hematology-oncology at Memorial Sloan-Kettering Cancer Center/NY Hospital Cornell Medical Center.

The NeoHeart 2019 Cardiovascular Management of the Neonate Conference was held March 27-29, 2019. Nearly 600 participants from around the world engaged in interactive sessions with a special dedication and keynote dinner honoring **Richard Van Praagh**. The purpose of the NeoHeart Conference is to bring together experts in the fields of neonatology, pediatric cardiology, pediatric intensive care, heart surgery, anesthesiology and nursing to share innovations in caring for the neonatal patient. By working closely together, specialists can optimize care of these delicate newborns and improve outcomes.

We are pleased to report formal affiliation with hospital partner Presbyterian Intercommunity Hospital, Whittier and Downey. As a result of the affiliation, three neonatologists from PIH have now officially joined our CHOC PSF Division of Neonatology. We welcome **Fred Shum**, PIH NICU Medical Director; **Devang Patel** and **Gloria Morales**. We have formally taken over coverage of both units as of January 1, 2019.

Our affiliation with UCI for Maternal-Fetal-Neonatal Medicine, finalized last year, is going well with regular cross-coverage of UCI neonatologists at CHOC and CHOC PSF neonatologists at UCI.

The 17th annual Academic Day for Neonatologists of Southern California will be again be organized by CHOC Children's and held at the Marriott Irvine Spectrum on November 14, 2019. Clinical and academic neonatologists, neonatal fellows, OB/GYNs, MFMs, NICU nurses and other allied healthcare professionals who care for the neonatal patient

are invited to attend. Further details and to register: choc.org/anosc2019.

Harbor UCLA Medical Center, Torrance

Congratulations to our graduating fellows! **Aamir Ansari** will be joining the neonatal faculty at CHOC, **Himanshu Singh** will be moving to central California to work with the Valley Children's Primary Care Group, and **Vidya Sreekantha** will be returning to India.

In July, we will welcome our new neonatal fellows: **Kar Man Low** from Missouri-Columbia and **Shomir Deshpande** from Toledo, OH.

This year, four of our fellows had presentations at the WSPR and PAS/APS/SPR meetings on the subject of neonatal lung and heart development. **Sheila Kalyanam's** research work was recognized with the Subspecialty Research Award from WSPR. **Celia Yu** was awarded the 2019 SPR Student High School/College Research Award.

Lynne Smith has been appointed the Chairperson of the Department of Pediatrics.

Virender Rehan was awarded a three-year research grant from TRDRP (CA) to study germ cell epigenetic memory of nicotine-induced transgenerational transmission of asthma.

Soina Dargan has recently become the Interim Division Chief of the Department of Hospitalist Medicine. She is also reprising her trip to Uganda to train midwives in the Helping Babies Survive program.

Loma Linda University Medical Center

Loma Linda University Children's Hospital hosted the SoCal Small Baby Consortium inaugural meeting on April 11, 2019. Over 200 nurses and physicians attended this conference that focused on designing a small baby unit and best practices for caregivers committed to providing the best possible care for premature, ELBW babies in Southern California. **Kris Reber**, keynote speaker, described the Small Baby Program at Nationwide Children's Hospital (one of the 1st small baby centers in the country). **John Cleary** and **Valerie Chock** discussed assessing hemodynamic stability and use of NIRS in premature, ELBW babies. University of California Irvine will be hosting this meeting in 2020. Program Planning Committee: **Ana Banerji, Tony Soliman, James Fritzell, Yona Nicolau, John Cleary, Munaf Kadri and Andrew Hopper**.

Loma Linda University Children's Hospital hosted the 2nd annual Cooling Symposium on May 30, 2019. This regional meeting included physicians and nurses from cooling centers in Southern California. The Conference focused on: (1)providing educational opportunities for NICU cooling staffs to maintain CCS training requirements for therapeutic hypothermia, (2)identifying shared QI projects, (3)identifying multi-center research projects, and (4)sharing guidelines and protocols for evaluation and treatment of babies with HIE. Planning Committee: **Maynard Rasmussen, MJ Harbert, Larry Ngo, Munaf Kadri, Beverly**

Walti, Anup Katheria, and **Andrew Hopper**. CHOC Children's Hospital will be hosting the next meeting in April 2020.

We congratulate our NPM fellows that will be graduating June 2019: **Nicole Kraus** and **Peter Jung**. Both neonatologists will be joining the faculty at LLU.

We welcome our new NPM fellows beginning July 2019: **Vonita Chawla** (UNLV School of Medicine), **Giulia Faison** (LLU), and **Steffi Khurana** (University of Florida).

Giang Truong was promoted to Associate Professor of Pediatrics in May 2019.

Miller Children's and Women's Hospital, Long Beach

We congratulate our two graduating fellows! **Kari Bruce** will be joining a practice in Chicago and **Joanna Bisquera-Cacpal** will join the group at St. Mary in Long Beach.

We are excited to welcome our new neonatal fellows: **Andres Gomez Garza** from UT Southwestern and **Bret Nolan** from LAC+USC.

In March 2019, **Ching Tay** received The Janet Petit Award at CPQCC Cool Topics, given for her excellent work in NICU QI in our unit and beyond.

James Fritzell and **Albert Antonio** presented at the Perinatal Symposium for Maternal and Neonatal Transport Medicine in Long Beach on topics of small baby care and therapeutic hypothermia.

Santa Clara Valley Medical Center, San Jose

The County of Santa Clara has purchased O'Connor Hospital (OCH) in San Jose and St. Louise Regional hospital (SLRH) in Gilroy, effective March 2019.

Balaji Govindaswami remains Chief of Neonatology and is Vice-Chair of Department of Pediatrics at SLRH. He will serve as Interim Director of OCH NICU effective June 1, 2019.

Priya Jegatheesan will serve as Interim Director of Santa Clara Valley Medical Center (SCVMC) NICU effective June 1, 2019.

Sudha Rani Narasimhan is Director of the Well-Baby Nursery at SCVMC.

Dongli Song will serve as Director of Nurseries, overseeing all NICUs and nurseries.

Christina Anderson will oversee continuing medical education across all three campuses.

Sonya Misra successfully concluded the 11th Annual Perinatal Conference at Nestl'down with more than 100 attendees from Bay Area hospitals.

Cathy Angell will return to SCVMC medical staff.

Sunshine Weiss will be instrumental in implementing EMR and facilitate reporting at all three campuses.

Balaji Govindaswami and **Dongli Song** were invited to present at the 7th Shanghai Neonatal Forum, June 13-16, 2019 at Fudan Children's Hospital.

Santa Rosa Memorial Hospital

Allison Murphy has become the Medical Director of the NICU and **Alan Shotkin** is retiring later this year.

Bergen Folsom has left the group at Sutter Santa Rosa to become the Medical Director of the NICU at Sharp Grossmont Hospital.

Sharp Mary Birch Hospital for Women and Newborns, San Diego

On May 14th, the Nemeth NICU Follow-Up Clinic opened to provide ongoing care for over 500 preterm or at-risk newborns born every year at Sharp Mary Birch Hospital for Women and Newborns. As the largest delivery hospital in California, this clinic will be the largest follow-up clinic in the state.

Anup Katheria gave the Philip Sunshine State-of-the-Art Lecture at the 2019 Western Medical Research Conference in Carmel, CA.

Anup Katheria has been promoted to Associate Professor of Pediatrics at Loma Linda School of Medicine.

University of California Davis, Sacramento

Congratulations to our graduating fellows:

Katrina Halloran is joining CHOC and **Kimberly Gerard** is joining Valley Children's Hospital in Fresno.

Welcome to our new fellows starting July 1st: **Pranav Garlapati**, **Jaskiran Ranu** and **Lida Zeinali**.

Department of Pediatrics Chair, **Satyan Lakshminrusimha**, edited a new textbook entitled *Essentials of Neonatal Ventilation* with 864 pages and dozens of illustrations by Satyan.

The 2nd NEC Symposium was held June 2-5 in Ann Arbor MI. **Mark Underwood** was the keynote speaker for the opening session.

Kara Kuhn-Riordon received a grant from HRSA to establish a telemedicine network in Northern California to assist with management of opioid addiction during pregnancy and neonatal withdrawal.

Stanford University Division of Neonatal and Developmental Medicine

Nilima Ragavan was invited as a distinguished speaker on a panel at the Vibrant Gujarat Global Summit. Accompanying Dr. Ragavan to India was a multidisciplinary team from Lucile Packard Children's Hospital Stanford, including neonatal transport specialist **Paul Cole**, NNP **Arlene Sheehan**, neonatal OT **Kelly Andrasik**, and RT **Robert Gales**. **Pete Acker** from the Department of Emergency Medicine also joined the team. In collaboration with the Srimad Rajchandra Hospital, the team conducted a two-day neonatology conference at Dharampur in Gujarat. The team traveled to the Government Medical College in Yavatmal, where they were invited by the Dean to provide training and education to the neonatal staff.

Jochen Profit was appointed to the Committee on Assessing Health Outcomes by Birth

Settings, a project within the National Academy of Sciences, Engineering, and Medicine.

Our NeuroNICU team, including **Krisa Van Meurs**, **Sonia Bonifacio**, and NNPs **Celia Glennon** and **Kathi Randall**, traveled to Israel and spoke at the 1st Annual Israeli NeuroNICU Symposium. Following this conference, they taught the basics of brain-focused care to nurses and physicians at the largest children's hospital in Tel Aviv, The Edmond and Lily Safra Children's Hospital, which is part of Sheba Medical Center.

Janene H. Fuerch represented Stanford Children's Hospital as a judge for the SXSW Impact Pediatric Health Start-up Pitch Competition in Austin, TX, where finalists pitched digital health and medtech solutions to hospitals, investors, and healthcare stakeholders.

At the Neonatal-Perinatal Practice Strategies Workshop in Scottsdale, AZ, **Jochen Profit** spoke on outcome disparities and combating healthcare provider burnout.

Shazia Bhombal serves on the Steering Committee of Women in Neonatology (WiN), which held their second annual meeting at the Scottsdale Workshop.

During the NeoHeart Conference in Huntington Beach, CA, **Shazia Bhombal** led the pre-conference session on targeted neonatal echocardiography. Second year fellow, **Megan Ringle**, presented a case and **Krisa Van Meurs** was an invited speaker.

Anca Pasca was selected as a joint winner to receive the inaugural Bhatt-Ramanathan Scholarship Award at the Cool Topics in Neonatology Conference in Coronado, CA. She also gave a brief lecture to fellow attendees about her scholarly work in the field of human neurodevelopment and stem cell biology.

Stanford faculty and trainees were busy at this year's annual PAS Meeting in Baltimore, MD with multiple plenary, topic symposia, platform and poster presentations.

David Stevenson was honored with the Howland Award from the American Pediatric Society at the PAS Meeting. An introduction was given by Stanford Professor **Philip Pizzo** and speakers at the dinner included Stanford Professors **Charles Prober** and **Philip Sunshine**, and **Phyllis Dennerly**, who is the Chair of the Department of Pediatrics at Brown University.



David Stevenson accepts the Howland Award at PAS

Jonathan Palma was elected Chair of the Epic Neonatology Steering Board. This group of clinical domain experts helps Epic optimize their system for neonatology, and helps set the direction for future development.

Shazia Bhombal was an invited speaker at the PDA Symposium in Memphis, TN.

Bill Benitz is on a speaking tour during his sabbatical. In April, he spoke at the in Gramado, Rio Grande do Sul, Brazil and was a visiting professor at Universidade Federal do Rio Grande do Sul/Hospital de Clínicas de Porto Alegre.

Our team at the Center for Advanced Pediatric & Perinatal Education (CAPE), including **Janene H. Fuerch**, **Nicole K. Yamada**, and Director of CAPE, **Louis P. Halamek**, presented a workshop on advanced debriefing techniques at the International Pediatric Simulation Workshop in Toronto, Canada.

Research from **Anca Pasca** was featured on the cover of the May issue of *Nature Medicine*. Dr. Pasca uses human pluripotent stem cells to develop three-dimensional organoids that model fetal and neonatal injury in the developing brain.

The Cardiac and Respiratory Care for Infants with BPD (CRIB) Program at Lucile Packard Children's Hospital cares for infants and children with history of prematurity and bronchopulmonary dysplasia and is focused on optimizing respiratory support and managing cardiac comorbidities. The CRIB Program includes longitudinal assessments of at-risk infants during their hospitalization and post-discharge follow-up in a multidisciplinary outpatient clinic by providers from pulmonary medicine, cardiology and neonatology with support services of a dedicated RT, dietitian and social worker. The program is co-directed by **Shazia Bhombal** (Neonatology), **Rachel Hopper** (Cardiology) and **Michael Tracy** (Pulmonary Medicine) with NNP **Ashley Forester** as Program Coordinator. For more information, visit our website: crib.stanfordchildrens.org.

University of California San Diego/Rady Children's Hospital

Erika Fernandez presided over the 2019 WSPR Meeting as President. Erika will stay on the Executive Council for another year in her role as Past President.

Shelley Lawrence was voted onto the WSPR Council and will serve a three-year leadership position.

Lance Prince completed his three-year term on the WSPR Council.

Eniko Sajti received a Mallinckrodt Junior Faculty Travel Award for the 2019 WSPR meeting.

Antonie Meixel received a WSPR Abbott Subspecialty Award.

Jenny Koo received a WSPR Mead Johnson Travel Award.

The UCSD Rady Children's Fellowship Program will graduate three fellows this June. **Casey Ward** will be starting at Randall Children's Hospital and Providence St. Vincent Medical Center in Portland, OR. **Nikolai Shalygin** will be joining Saint Alphonsus Regional Medical Center with the Mountain States Neonatology Group in Boise, ID. **Kathryn Anderson** will be joining the faculty at the University of South Dakota Sanford School of Medicine in Sioux Falls, SD.

Pamela Borja-Del Rosario from Maimonides Medical Center joined our fellowship program in January 2019.

We have three new fellows joining the program this summer: **Emily Batton** from Rush Medical College, **Samantha Hietalati** from the University of Minnesota, and **Meghana Karmarker** from Rush Medical College.

UCSF Benioff Children's Hospital Oakland

David Durand, currently Chief Medical Officer at UCSF Benioff Children's Hospital Oakland, will be retiring from this position at the end of June 2019. He has served in this position for the past 6 ½ years. During this time, he served a key role in the integration of the faculty between the two campuses, Oakland and San Francisco UCSF Benioff Children's Hospitals. David was formerly the Chief of Neonatology at Children's Hospital Oakland.

Priscilla Joe received her 3rd year of funding in the FiCare (Family Integrated Care) study from the Preterm Birth Initiative at UCSF. This study is looking at innovative ways for parents to be fully involved in the care of their infants in the NICU.

In March 2019, **Arthur D'Harlingue** received the Bronze Bambino Award from the Medical Staff of UCSF Benioff Children's Hospital Oakland in recognition of his career of service to the hospital.

UCSF Benioff Children's Hospital San Francisco

Roberta Ballard and **Phil Ballard** were awarded the 2019 Mary Ellen Avery Neonatal Research Award. The Ballards were recognized as the 1st joint Mary Ellen Avery Award recipients for their lifetime careers of neonatal clinical translational research together. They are both Emeritus Professors of Pediatrics at UCSF who first joined the faculty in 1972 with Roberta as Chief of the NICU at Mt. Zion Hospital, San Francisco and Phil as researcher in the UCSF Cardiovascular Research Institute (CVRI). Over the next 47 years and counting, the Ballards have conducted numerous important multicenter clinical translational "bench to bedside" projects related to neonatal lung physiology and BPD, including the NHLBI-funded 25-site TOLSURF trial. They have also mentored countless trainees across the country who have gone onto clinical and research leadership positions around the world.

Ron Clyman was awarded the 2019 AAP Landmark Award for his many years of translational research contributing to our understanding of the physiology, mechanism and clinical management of the ductus

arteriosus PDA. The Landmark Award is given to an individual in recognition of a distinct, seminal contribution in a specific area of neonatology. The initial winner of the Landmark Award was **Audrey K. Brown** in 2001. Recent winners have included **Carol Baker** and **Ann Schuchat**, **William Northway**, **Michael O'Shea**, **Diana Bianchi**, **Betty Vohr**, and **Vinod Bhutani**.

Kurt Albertine, Professor of Pediatrics, Medicine and Neurobiology and Anatomy, and the Edward B. Clark Endowed Chair in Pediatrics from the University of Utah, was invited to be the 2019 UCSF William H. Tooley Memorial Lecturer. He presented findings from his decades of research on "Large-Animal Physiological Model of BPD to Identify Pathogenic Mechanisms Leading to Long-Term Neurobehavioral Impairments." Dr. Albertine was the keynote speaker as part of a day of research talks and posters, culminating in the annual Tooley Memorial Dinner. The event was hosted by **Yao Sun**, Chief of Neonatology. In attendance were collaborators and emeritus faculty members **John Clements**, **Joe Kitterman**, **Rod Phibbs**, **Sam Hawgood**, **Gerry Cropp**, **Richard Blund**, **Ron Clyman**, **Phil and Roberta Ballard** and current faculty of the UCSF CVRI and Division of Neonatology.

Allison Murphy has taken over the role of Medical Director at the UCSF Intensive Care Nursery at Santa Rosa Memorial Hospital in Santa Rosa, CA. She will take over responsibilities from the retiring **Alan Shotkin**, who has served as Director for the past 15 years. Dr. Shotkin and his wife plan to return to his hometown of Boston, MA.

Xianhua Piao joined the faculty at UCSF on October 1st, 2018 and was appointed Director of the UCSF Newborn Brain Research Institute (NBRI). Dr. Piao received her PhD in Cancer Genetics at the University of Toronto and is widely recognized as an expert in neuroembryogenesis. Her research has focused on the adhesion G protein-coupled receptor (aGPCRs) family, which plays a critical role in human neural development and disorders. She was an attending neonatologist at Brigham and Women's Hospital and Associate Professor of Pediatrics at Harvard Medical School prior to joining the faculty at UCSF. In addition to running her own lab, Dr. Piao will continue as an attending neonatologist at the UCSF Benioff Children's Hospital Intensive Care Nursery at Mission Bay, San Francisco.

Srujana Rallabandi has joined our faculty. Suji is a graduate of Osmania Medical College in Andhra Pradesh, India. She completed her MPH at East Carolina University where she remained for pediatric residency at Vidant Medical Center. She then completed her fellowship training at the University of Rochester. She was a faculty neonatologist at Kapiolani Medical Center for Women and Children in Honolulu, HI from 2015, and served as the Fellowship Site Director in Neonatal-Perinatal Medicine for the joint training

program with Tripler Army Medical Center from 2016. She will join us at the UCSF Intensive Care Nursery at Natividad Medical Center in Salinas, CA with clinical service time in the UCSF Benioff Children's Hospital Intensive Care Nursery at Mission Bay, San Francisco.

Rachael Beckert will graduate from our fellowship program in June 2019. She has chosen to remain in the San Francisco Bay Area and work as an attending clinical neonatologist.

We welcome our new fellows! **Rachel Brim** is a graduate of Michigan State University Leadership in Medicine for the Underserved Program and a pediatric resident and Chief Resident at the UCSF Benioff Children's Hospital and Zuckerberg San Francisco General Hospital, San Francisco, CA. After her Chief year, Dr. Brim worked as a neonatal hospitalist while she earned a master's degree through the Advanced Training in Clinical Research Program in the UCSF Department of Epidemiology and Biostatistics. She also served as the Operations Director for Intern Selection in the UCSF Department of Pediatrics. **Samhita Jain** is a graduate of Topiwala National Medical College in India and will be graduating from pediatric residency at the Icahn School of Medicine Elmhurst Hospital. Samhita worked with **Praveen Ballabh** in the Vascular Neuroscience Laboratory at New York Medical College. **Yasmine White** is a graduate of University of Michigan Medical School and will be graduating from the pediatric residency at the Boston Combined Program. Prior to that she was a surgical intern at Stanford for one year. Yasmine also spent a year at UCSF as an HHMI fellow in Dr. Shannon's Lab. She is finishing her pediatric residency in the Accelerated Research Pathway and will be doing a four-year fellowship.

District X: Jose Perez

FLORIDA

Florida Hospital Health System, Orlando

William Lefkowitz and **Christine Davis** joined the Advent Neonatal Team in Orlando, FL.

Rene Ruiz obtained a Master's in healthcare simulation.

Hussain Mirza was promoted to Associate Professor at UCF.

Golisano Children's Hospital, Fort Myers

We welcome recent additions to our staff. We are now staffed with eight neonatologists and ten NNPs. We welcome: Neonatologist **Harshit Doshi**, who completed fellowship at Cohen Children's Medical Center and is coming from Lafayette Women's and Children's Hospital, LA; **Price Ward**, board-eligible neonatologist, who completed fellowship at Medical University of South Carolina in Charleston, SC; **Patricia Nash** APRN, transfer from Cardinal Glennon Children's Hospital, St. Louis, MO; **Toni Aplegate** APRN; **Haley Hartline** APRN.

Congratulations to **Beatriz de Jongh**, our new Associate Medical Director for the NICU.

William Liu, as a member of the Pediatric/MEDNAX Neonatal Advisory Council, contributed to, "General Principles of NICU EHR Clinician Documentation White Paper."

Orlando Health System, Orlando

Sara Durrani joined the WPH Neonatal Team in Orlando, FL. She completed her neonatal training in Loma Linda, CA.

Nemours Children's Hospital, Orlando

Nemours Children's Hospital welcomes **Darlene Calhoun** as the Division Chief of Neonatology. She came to us from John Hopkins All Children's Hospital at Sarasota Memorial Hospital, Sarasota, FL. Dr. Calhoun has published multiple peer-reviewed scientific papers focusing on neonatal hematology and macrosomia.

Congratulations to **Caroline Chua** on her appointment to Associate Professor of Pediatrics. She remains as Medical Director of the NICU at Nemours Children's Hospital. Dr. Chua continues to oversee the Neonatal Follow-up Clinic to monitor the developmental progress of our high risk NICU graduates.

Jane Lerardi joins Nemours Children's Hospital as the Medical Director of our Partnership Hospitals. She came to us from Nemours Alfred I. duPont Hospital for Children.

Nemours Children's Hospital will host the Annual Meeting of the Florida Neonatal Neurologic Network on July 13, 2019 with **Terrie Inder** as the main guest speaker.

St. Mary's Medical Center, West Palm Beach

The American Medical Association has nominated **David Kanter** to its CPT Editorial Panel, the organization responsible for maintaining the set of CPT codes that guide physician fee-for-service billing. The Panel is composed of 17 members including 11 physicians nominated by national medical specialty societies and approved by the AMA Board of Trustees. Through participation on the Editorial Panel, members work with collaborating specialty societies in revising, updating, and modifying CPT codes, descriptors, and guidelines. Dr. Kanter continues to serve on the AMA's Digital Medicine Payment Advisory Group. This 15-member group includes both physicians and other healthcare participants focused on supporting digital medicine technologies through coding, valuation, and payer coverage processes.

University of Florida, Gainesville

Jim Wynn has been awarded three grants from the NIH: "Modifiable Determinants of Mortality in Neonatal Sepsis" (PI), "Microfluidic Assessment of Clinical Outcomes in Preterm Newborns" (Co-PI), and "Salivary Diagnostics for Sepsis Screening in the Neonate" (Co-I).

The Division hosted **Judy Aschner** as the 26th Eitzman Visiting Professor, honoring **Donald V. Eitzman** as our founding member.

Mike Weiss, founder of the Florida Neonatal Neurological Network (FN3), announced FN3's annual state meeting at Nemours Children's Hospital in Orlando on July 12-13, 2019. Guest speakers will be **Terrie Inder** and **Sara Bates**.

University of Florida, Jacksonville

The Florida Perinatal Quality Collaborative (FPSC) bestowed the John Curran Quality Improvement Award to UF Health Jacksonville for a project entitled, "Creating an Antibiotic Stewardship Program in a Tertiary Neonatal Intensive Care Unit: Charge Nurses Taking Charge" that was championed by **Josef Cortez**. This accolade recognizes one Florida hospital every year that has made measurable and sustained positive change in a major perinatal quality assessment metric through the implementation of best clinical practices. Two years ago, Dr. Cortez and his UF Health team were the first runner-up for this honor.

Colby Day passed on her role as Chair of TECaN to **Ashley Lucke**, but continues to be engaged nationally in her role as a VON Liaison Fellow.

Bill Driscoll is a member of the Steering Committee of the FPQC statewide project on improving outcomes in babies with neonatal abstinence syndrome.

Josef Cortez, Colby Day, Mark Hudak, Ma Ingyinn, Kartikeya Makker, Sireesha Nandula, Sanket Shah, and Samarth Shukla were senior or co-authors of 15 abstracts accepted for presentation at the 2019 Pediatric Academic Societies meeting in Baltimore, MD.

University of Miami Miller School of Medicine

We welcome a new faculty member to the Division, **Augusto Schmidt**, coming from the University of Cincinnati/Cincinnati Children's Hospital.

All four of our fellowship positions for 2019 were filled with excellent candidates.

Grisel Galarza spearheaded a new palliative care program in the NICU.

Anum Ali, 2nd-year neonatal fellow received the Society for Pediatric Research Fellow's Basic Research Award.

For the last 43 years, the Miami Neonatology Conference has provided thousands of neonatal practitioners from all over the world the opportunity to hear from some of the most prestigious leaders in neonatal research and clinical care. Miami Neonatology will be held at the Loews Hotel in Miami Beach, FL from November 10-13, 2019. To register and for more information, visit www.miamineonatology.com.

University of South Florida, Tampa

We are pleased to announce that **Tara Randis** will be joining USF in August 2019 as the Chief of the Neonatology Division and the Muma Chair. Dr. Randis is coming to us from NYU.

Benjamin Torres will be continuing as the Medical Director of the Jennifer Leigh Muma NICU at Tampa General Hospital.

Benjamin Torres is the new Neonatal State Wide Consultant for Children's Medical Services/Florida State Department of Health.

We welcomed **Keyur Donda** to USF Neonatology this year. He completed his fellowship at the University of Miami.

GEORGIA

Augusta University Medical Center/Medical College of Georgia

Amy Thompson was appointed as Fellow Representative for District X at the District X meeting.

Brian Stansfield was awarded a R01 by the NIH for a grant titled, "Inflammation and Retinopathy of Prematurity."

Paul Mann was named Director of the Augusta University Center for Bioethics and Health Policy and Chair of the Augusta University Medical Center Medical Ethics Committee.

Quyen Pham is completing her fellowship and has received her MPH degree. She will be joining the faculty as an Assistant Professor in the Division of Neonatology at the Medical College of Georgia, Augusta University on July 1, 2019.

Pinkal Patel was appointed as the Director of the Fellowship in Neonatal-Perinatal Medicine at the Medical College of Georgia.

Coding Answer (Question on page 11)

The correct answer is B. 99464, delivery attendance, is appropriate as you did attend the delivery at the obstetrician's request. Since no resuscitation was performed, 99465 may not be reported.

Neither an intensive care (99477) nor critical care (99468) admission code is justified, despite the critical nature of the child's condition, as no critical or intensive services are provided (comfort care only). 99463 is same admission and discharge of a normal newborn on the same day. This code would not be appropriate as the infant is not a normal newborn.

Furthermore, discharge codes (99463, 99238, and 99239) apply only to infants discharged to home, and should not be used on the day of death.

In this case the most appropriate admission code is 99233, a high complexity hospital admission. This code has a typical time of 90 minutes. You have documented in your note a total time of 105 minutes of floor/unit time devoted solely to this patient, and are therefore justified to report prolonged service (99356, prolonged service, 1st hour) in addition to 99233. Documentation should include a note that greater than 50% of time was spent counseling.

Note that prolonged service codes may not be added to any global codes (99460-63, 99468-72).

ICD-10 Codes for this infant would include:

Z38.0 Single liveborn infant, born in hospital

Q60.6 Potter's syndrome

P28.5 Respiratory failure of newborn

Z51.5 Encounter for palliative care

Z66 Do not resuscitate

The SoNPM Coding Education Committee assists the Section in assuring that CPT and ICD codes relevant to neonatology are up to date, appropriately valued, and that member compliance with coding rules is excellent. We advise members with ideas for new codes and assist in code development where appropriate. In addition, a major focus of the committee is to provide education on the current available codes and the guidelines for their use. Members are available for email and telephone consultations for specific coding-related questions. In addition, committee members are available on request for educational talks and workshops for State and District AAP meetings.

Current Committee members are:

Ted Rosenkrantz MD

Sherri Nemerofsky MD

Scott Duncan MD, MHA

Angela Kelley RN, CPC

David M. Kanter MD, CPC

Kate Stanley MD

Edward Liechty MD (Chair)

Emeritus Members: Gil Martin MD, Richard Molteni MD,
Stephan Pearlman MD

Specific coding questions should be addressed to: Edward Liechty (eliecht@iu.edu), (317) 274-4609

Save the Date: March 4-7, 2020 **Call for Abstracts:** Due Monday, October 28, 2019



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Biophysiology of Human Interaction

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Continued from Page 16

Arteriosus Management (TIPP) trial, Caffeine Therapy for Apnea of Prematurity (CAP) trial, and the Oxygen Saturation Targeting in Extremely Preterm Infants (COT) trial. These trials have changed the perceptions of the neonatal community about trial quality and evidence-based patient management. The trials are remarkable for their virtually complete capture of patients for primary outcomes that include two-year follow-up. TIPP trial is one of the first in neonatology with a neurodevelopmental outcome rather than short-term outcomes. The CAP trial has received well-deserved attention and praise since the first results were published 13 years ago. In 2008, the CAP trial was selected for the Inaugural Trial of the Year Award by the Society of Clinical Trials and Project Impact. As a result of this work, Dr. Schmidt has been invited to speak about neonatal caffeine therapy in 25 countries around the world.

Dr. Schmidt and her colleagues were the first to examine the prognostic effect of combinations of three neonatal morbidities (severe ROP, BPD, brain injury) on long-term outcomes. Using data from both the TIPP and CAP trials, they found that these morbidities contributed similarly and independently of each other to the prediction of the infant's status at 18 months. This allowed them to develop a simple predictive model based solely on the number of morbidities that are present at or soon after a post-menstrual age of 36 weeks. The morbidity count prediction model can be used to counsel parents and to identify infants at the highest risk of childhood disability. This is an example of how Barbara has worked with her collaborators to mine trial data to make important clinical observations.

Dr. Schmidt has also been the center PI for University of Pennsylvania and CHOP in the NICHD Neonatal Research Network and has served as center PI and the PI for the Data Center for the NHLBI-funded Prematurity and Respiratory Outcomes Project (PROP) to evaluate lung outcomes in very preterm infants at seven academic centers. Her leadership to keep PROP focused and productive was essential. She also effectively used this project to develop junior neonatal colleagues at CHOP to great advantage.

Barbara Schmidt has been a research mentor and thesis supervisor for neonatal fellows and MSc students in clinical epidemiology for the past 25 years. She has also built a sizable team of local colleagues and junior investigators at CHOP who are enthusiastic about their participation in clinical research. Over the course of her career, she has been the clinical research mentor and supervisor for more than a dozen neonatology fellows and young faculty. Most of her trainees are academic neonatologists.

Barbara Schmidt has been a consummate clinical scientist, epidemiologist, and mentor whose contributions to the advancement of knowledge in the care of premature neonates are enormous. She is the thought-leader for clinical trials in neonatology. Her work has advanced the

field of neonatology and has led to an improved evidence base in neonatology internationally.

Dr. Schmidt will be presented with the 2019 Virginia Apgar Award at the Section on Neonatal Perinatal Medicine Program at the AAP NCE on Saturday, October 26, 2019 in New Orleans, LA.

Alan Jobe

2019 Avroy Fanaroff Education Awardee: Ned Lawson MD

The Avroy Fanaroff Education Award is bestowed upon an individual in recognition of outstanding contributions to the dissemination of knowledge in Neonatal-Perinatal Medicine for health care students, professionals, or the lay public. Ned Lawson has been selected as the 2019 Avroy Fanaroff Education Award recipient. Dr. Lawson's impact as a clinician, academician, leader, and importantly, his tenure as Editor-in-Chief of the Section's *Journal of Perinatology* make him an ideal candidate for this Award.

Dr. Lawson completed his undergraduate work at Harvard College and received his MD at Northwestern University Medical School in Chicago. He completed his pediatrics residency at Children's Hospital Medical Center in Boston where he also completed his neonatology training. Ned then returned to his roots with a position in the Neonatology Division at the University of North Carolina, Chapel Hill, rising through the ranks from Assistant Professor to become Professor of Pediatrics in 1987.

In 1999, Ned moved north to Baltimore, to become Professor in Pediatrics at Johns Hopkins University and then the Josephine S. Sutland Professor of Newborn Medicine, as well as Chief of Neonatology and Vice Chair for Children's Center Operations, positions he held until his retirement in 2015. He is now Professor Emeritus in Pediatrics at Johns Hopkins.

Ned has a robust record of academic achievement, citing more than 70 peer-reviewed publications with a focus on developmental respiratory control. His experimental work was well-supported by NIH. He has directly mentored eight fellows in his lab, all of whom have successful careers. He is a member of numerous professional societies including the Perinatal Research Society, Society for Pediatric Research, and American Pediatric Society.

Importantly, while at University of North Carolina, Ned interacted with Dr. Joseph Garfunkel, then Editor-in-Chief of the *Journal of Pediatrics*, who appointed Ned as Neonatal Section Editor of that journal, a position he held for ten years. As one of three Associate Editors, he gained enormous practical experience. In 2001, after the AAP and Section acquired the *Journal of Perinatology*, and long-

standing Editor-in-Chief Gil Martin was eager to find a replacement, the Section launched a search for his successor. During the application and interview process, Ned “wowed” the Search Committee with his experience and understanding of the editorial and publication process and his vision for the *Journal*. We were thrilled that he accepted the position, which he held from January 2001 to December 2018. Under Ned’s leadership, the success of the *Journal* has been quite remarkable. In 2001, the *Journal of Perinatology* received fewer than 250 manuscripts and published 122 articles in eight issues, of which 37% were original research. In 2018, the *Journal* received 859 manuscripts and published 264 articles in 12 issues, of which 74% were original research. During this period, the impact factor increased substantially and total citations tripled.

The educational importance of the role of editor in a medical subspecialty journal is extremely important and perhaps under-recognized. The results of new studies might be presented at a conference to, at most, 300 attendees. In contrast, the large majority of our community of 3,800 neonatologists reads those studies in one of four or five journals. They rely on the few individuals at the helm of those publications both to vet the articles through sound peer review as well as to identify themes and opportunities for research, dissemination, and improvement. In creating a strong and dedicated journal for neonatologists, Ned’s leadership has helped to set the agenda for neonatology for almost two decades. In addition, Ned has generously shared his experience with many trainees and young faculty members seeking to publish their academic work. To this end, he has given numerous lectures and led many workshops at national and international meetings on planning, writing, and publishing, as well as discussions of ethical considerations.

The prestigious Avroy Fanaroff Education Award recognizes Ned Lawson’s outstanding contributions to education in our field through his stewardship of the Section’s *Journal of Perinatology* for almost two decades and his investment in the education of his trainees and colleagues.

Dr. Lawson will be presented with the 2019 Avroy Fanaroff Education Award at the Section on Neonatal Perinatal Medicine Program at the AAP NCE on Saturday, October 26, 2019 in New Orleans, LA.

Ann Stark, MD

2019 Landmark Awardee: Ronald Clyman MD

The Landmark Award has been given annually since 2001 in recognition of a distinct, seminal contribution in a specific area of Neonatal-Perinatal Medicine. The 2019 Landmark Award recipient is Ronald Clyman, neonatologist, lab-based scientist, and clinical researcher, who is internationally recognized for his expertise on persistent patency of the ductus arteriosus (PDA).

Dr. Clyman’s unique and innovative contributions to our understanding of the PDA and its implications for pulmonary vascular biology and cardiovascular physiology during fetal transition to newborn life have defined the cutting edge of ductus research for more than 40 years. These sustained efforts and the frequency with which his publications are cited in our literature and international journals are a testament to the global impact of his research.

It is remarkable for a single investigator to achieve such predominance over a research field in neonatology. Among his nearly 240 publications, Dr. Clyman has published over 150 papers and textbook chapters focused on one subject - the ductus arteriosus. This includes more than 110 original science contributions and 22 books and chapters. Invitations to write over 20 reviews and commentaries also provide evidence of his expertise on ductus function and management of PDA. Among investigators who study PDA and cardiopulmonary status in the newborn, he is regarded as the single most important author of original scientific advances on ductus biology and regulation. Dr. Clyman is overwhelmingly the most recognized leader in his field.

The importance of prostaglandins in ductus regulation was first noted in the mid-1970s. As Dr. Clyman finished his fellowship training in 1977, he was already at the forefront of basic discoveries regarding PGE signaling pathways and would go on to determine the contributions of oxygen, nitric oxide, gestational maturity, and intracellular calcium sensing in PGE-mediated control of the fetal and postnatal ductus. These early accomplishments brought attention to his role as an opinion leader while he was still a junior faculty member. During this time, he received a Young Investigator Award from the NHLBI and the House Staff Teaching Award from UCSF. He became a sub-project PI on an NIH program project after three years as a faculty member and earned his first NIH R01 award one year later. His career-long record of lab-based research funding includes continuous support from the NIH from 1977 to 2017, often with simultaneous grants. This remarkable achievement includes multiple competitive grant renewals, as well as funding from non-federal agencies.

Dr. Clyman’s research studies are comprehensive. In order to understand the physiology and basic biology of ductus

function in humans, he developed innovative methodologies for studying the ductus of premature lambs and baboons. These studies included investigations at the cellular and molecular level, as well as comparison of cell-based results to *ex vivo* ductus preparations in organ bath contractility studies. *In vivo* studies in term and preterm animal models were then compared to results in preterm infants. His innovative work on metabolic alterations in the microenvironment of medial layers of the ductus wall provided the first evidence that hypoxia and energy failure are underlying events in normal closure as well as abnormal ductus patency. Over his career, Dr. Clyman's contributions have been repeatedly published in highly cited research journals, including *J of Clinical Investigation*, *Journal of Immunology*, *Circulation*, *Circulation Research*, *Proceedings of the National Academy of Sciences of the United States of America*, and *Nature Medicine*, reflecting the strong impact of his work in our field.

Beyond his accomplishments as a lab-based researcher, Dr. Clyman also initiated six different randomized clinical trials where fundamental lab-based observations were translated to the NICU bedside. These trials frequently involved enrollment of critically ill preterm infants to address key knowledge gaps in PDA management that neonatologists face on a daily basis. His ability to transform decades of pre-clinical research studies into clinically useful trials illustrates the sustained influence Dr. Clyman has had on management decisions that improve the health of countless newborn infants.

For his career's-worth of work on the biology of the ductus arteriosus, Dr. Ronald Clyman is well deserving of the Landmark Award.

Dr. Clyman will be presented with the 2019 Landmark Award at the Section on Neonatal Perinatal Medicine Program at the AAP NCE on Saturday, October 26, 2019 in New Orleans, LA.

Jeff Reese

2019 Pioneer Awardee: Jacqueline Evans MD, FRCP(c), FAAP

The Pioneer Award recognizes the pioneering achievements and contributions of an individual to the health and well-being of newborns and infants. The recipient of the 2019 Pioneer Award is Jacqueline Evans.

Throughout her career, Dr. Evans has been committed to impacting the outcomes for ill neonates. However, it has been her vision and work with the Children's Hospital Neonatal Database that uniquely qualifies her for the Pioneer Award. Dr. Evans is the founding member of the Children's Hospital Neonatal Consortium (CHNC) which

ultimately developed the Children's Hospital Neonatal Database (CHND). Her work in the development of this database will have an incredible impact on how we care for these unique neonatology patients.

Dr. Evans is currently a Professor of Clinical Pediatrics at the University of Pennsylvania School of Medicine. Among many administrative roles, she has served as the Medical Director of the NICU and Neonatal ECMO Program at the Children's Hospital of Philadelphia (CHOP). She is currently the Associate Division Chief and the Director of Quality and Patient Safety for the Division of Neonatology in the CHOP Newborn Care Network. Throughout her career, Dr. Evans has consistently focused on clinical outcomes research and is widely published in peer-reviewed journals. She has been recognized with multiple teaching awards and remains committed to providing mentorship to residents, fellows and junior faculty in neonatology.

In 2006, Dr. Evans recruited a group of national neonatal clinical leaders to strategize about the development of a database that would focus on patients in referral-based children's hospitals neonatal intensive care units (NICUs). She recognized a gap in existing databases in determining patient outcomes and best practices for the quaternary NICU patient. As well, these patients have unique multidisciplinary and subspecialty needs. Following over 10,000 volunteer hours committed to database development and an established collaboration with Children's Hospital Corporation of America, 17 hospitals started the entry of data in 2010 within the CHND.

In the past nine years, CHND involvement has grown internationally to include 34 children's hospitals NICUs, more than 180,000 patients, and has become the largest clinically valid data set for this unique patient population. Through the CHNC and CHND, seven multidisciplinary focus groups (BPD, ECMO, CDH, NEC, Mortality, Gastroschisis, HIE) and special interest groups have been developed. These groups have contributed to developing national guidelines and more than 20 peer-reviewed publications.

The CHNC annual meeting continues to grow and in its 10th year was attended by 287 neonatologists, surgeons, nurse practitioners and data abstractors. CHNC is currently sponsoring its 5th National Quality Improvement Collaborative including over 20 CHNC hospitals. Previous collaborations have successfully decreased CLABSI rates among our children's hospitals NICUs, translating into tremendous cost savings for our hospitals. The multi-center QI groups continue a multidisciplinary collaboration with pediatric anesthesiologists and surgeons to optimize perioperative care for the surgical neonate.

Throughout these years, what is clear is Dr. Evans' limitless ability to solve problems through an inclusive,

generous, and collaborative approach. CHNC switched database vendors for CHND at the end of 2016. During that time, the organization began to contract with the 34 participating hospitals who were contributing to the database. Dr. Evans learned contract law to negotiate terms with each of the hospitals, managed communications with nearly every hospital's legal department, and successfully recruited all the participating hospitals to renew their CHND participation. This was all while mentoring faculty, organizing national meetings, training data coordinator/abstractors, and even fulfilling her clinical and heavy administrative duties at the Children's Hospital of Philadelphia.

The 2019 CHNC White Paper highlights the accomplishments of this non-profit group and database under the leadership of Dr. Evans. This database and national multidisciplinary collaboration would not be possible without the tireless commitment of Dr. Evans over the past 13 years. Her vision has been realized and because of her past and continued efforts, CHND has become an invaluable tool for neonatologists and children's hospitals to optimize the care for the complex critically ill neonate.

Karna Murthy, Eugenia Pallotto, Anthony Piazza, Jeanette Asselin, Beverly Brozanski, Theresa Grover, Michael Padula, Kris Reber, Billie Lou Short

Essentials for Research Meeting Abstracts

Ronald L Ariagno MD, FAAP, Chair Abstract Committee for SOATT, Chair of Task Force for Neonatal Perinatal Therapeutic Development
Andrew O Hopper MD, FAAP

This article is to provide some background for abstract committee chairs' consideration to develop a guideline for authors submitting abstracts and for abstract reviewers. A key reference for this article was *Essentials of Writing Biomedical Research Papers*, 2nd Edition by M. Zeiger.

In general, abstracts for meetings are intended to show the preliminary results of research, to draw the audience to a poster and/or platform presentation, to invite productive discussion of findings and potential significance with the authors(s) and audience. Details should be given to understand the methods used in the research and indicate the importance of the work. A table or graph may be used to present the most significant data and the Authors should avoid excessive details and abbreviations (e.g., no more than three) to improve clarity for the reviewer.

There are four categories of Abstracts: (1)Hypothesis Testing, (2)Descriptive, (3)Methods, and (4)Case Reports.

1. Hypothesis Testing Research

In this abstract the title should have both the independent and dependent variables (E.g. for studies with independent and dependent variables: "The Effect of Racemic Epinephrine on Airway Function in Infants with Asthma;" for studies with one dependent variable: "The Effect of Darbeopetin on Term Neonates with Asphyxia").

An outline for content of an abstract: Begin with background, state the question (hypothesis), the experiments that were done and the important details of the materials and methods used, results (give data only for the most important result which addresses the question and present % change rather than exact data when possible; state the result in a sentence before table or graph), state the answer to the question; provide implications, speculation or recommendation.

2. Descriptive Research

The title should indicate the message or the message and the implication (E.g. "Improved Educational Performance in Primary School for Extremely Low Birthweight (ELBW) Preterm Infants Who Had Received Caffeine for One Month").

The abstract has three main parts in this order: The message, the results that support the message and the implication of the message. Because there is no hypothesis in descriptive abstracts the message is stated at the beginning. The results should provide data obtained by the investigators. A review of the literature and opinions about the subject are not a substitute for real data obtained in the research.

3. Methods Research

The title of methods research should indicate whether the abstract describes a method, an apparatus, or a material; should state its purpose and should name the animal or population used. Include if the method is new, modified or improved (E.g. "Novel Pneumotachometer for Measuring Minute Ventilation in Non-intubated Preterm Neonates with Chronic Pulmonary Insufficiency of Prematurity").

Methods research abstracts describe new or improved methods, apparatus, device or materials or chemicals: Drugs, culture media, buffers, gases; molecules, cell lines, and tissues. The abstract should include: Name, purpose, how it works, advantages, how it was tested, how well it works and advantages; or Name, purpose, population, key features, advantage, how it was tested and how well it works.

4. Case Report

As in the descriptive research abstract, the title in the case report should indicate the message and implication (E.g. Diagnosis of Congenital Syphilis in a Neonate Presenting as Direct Hyperbilirubinemia).

The organization may follow the plan above in Descriptive Research, however, to be qualified for acceptance the case report should provide more than a description of what is already in the published literature or text books.

Essentials of Writing Biomedical Research Papers is a valuable resource for reviewers and for those submitting abstracts. Abstract chairs should consider drafting a “guideline” that would include a numerical scoring system for reviewers to quantify the quality of the science, the importance of the scientific question, and the quality of the abstract. It may be worthwhile to also ask whether a course on writing biomedical papers and abstracts is needed for training programs. Furthermore, templates for writing various types of abstracts may be useful for authors to facilitate the presentation of preliminary results.

Focus on Global Health: AAP Section on Neonatal Perinatal Medicine Global Health Subcommittee

Danielle Ehret MD, MPH, FAAP

Globally, the neonatal period represents the most vulnerable time for a child’s survival. In 2017, 2.5 million deaths, or roughly 47% of all under-five deaths, occurred in newborns. The majority of the neonatal deaths are concentrated in the first day and week. This translates to 7000 newborn deaths every day and 98% of these deaths occur in low- and middle-income countries. The mission of our Section on Neonatal Perinatal Medicine (SoNPM) to improve the health and outcomes of the newborn infant does not reference the infants’ countries of birth, appreciating our international responsibility and dedication, and our members demonstrate this commitment in their careers. There are now more SoNPM members participating in global health than at any time in history.

AAP SoNPM Mission: To improve the health and outcomes of the newborn infant, as well as the pregnant woman and fetus and to collaborate with other organizations and non-profits which share the goal of improving the outcome of the newborn infant, as well as the pregnant mother and fetus through education, research, advocacy and the dissemination of knowledge of neonatal-perinatal pediatrics.

Over the past decade, the SoNPM has contributed to global neonatal mortality reduction in significant ways, including leadership on the Helping Babies Survive curricula (Helping Babies Breathe, Essential Care for Every Baby, Essential Care for Small Babies, and *Improving Care of Mothers and Babies: A Guide for Improvement Teams*). Following the successful launch of these programs, our members have increased tools to contribute to

international partnerships, saving newborn lives and improving newborn care globally.

Responding to a need voiced by SoNPM members for a “home” within the AAP for global newborn health, a committee was formed in November 2018 to establish a Global Health Subcommittee within SoNPM. Preliminary work, landscaping and focus groups were completed by Danielle Ehret, Beena Kamath-Rayne, Sharla Rent, Rachel Umoren, Jameel Winter and Carl Bose. Through the establishment of this Subcommittee, we seek to draw from the pool of almost 3500 neonatal perinatal medicine physicians in SoNPM, and provide a unique forum and opportunity to contribute collectively.

Global Health Subcommittee Vision: To serve as partners in an international neonatal perinatal medicine community dedicated to improving the system, quality, experience and outcome of care for every newborn.

The Subcommittee will serve as a forum to promote leadership in member-identified topics such as NPM fellowship global health experiences, and global health networking on career development, ethics, research and advocacy amongst members of TECaN, MidCaN, WECaN, and WiN. To join this Subcommittee and listserv, and further contribute to the development of its mission and objectives, we urge you to complete the SoNPM Global Health Subcommittee Membership Survey which will be sent through the SoNPM listserv. Please consider sharing your global health interests and experiences while enriching the academic and educational experiences of our entire Section on Neonatal Perinatal Medicine.

For any questions, please contact Danielle Ehret, MD, MPH at dehret@vtoxford.org.

2019 AAP National Conference Exhibition

Section on Neonatal Perinatal Medicine Program New Orleans, LA October 25 - 29, 2019

Friday, October 25, 2019

9:00am - 4:00pm	Organization of Neonatal Training Program Directors Kris Reber, MD, Chair
12:00pm – 1:00pm	ONTPD Lunch <i>Sponsored by Mead Johnson Nutrition</i>
4:15pm – 5:00pm	Keynote Address: Gerald Merenstein Lecture

“Updates in Hypothermia for Hypoxic-Ischemic Encephalopathy”
Seetha Shankaran, MD
 Sponsored by Abbott Nutrition

5:00 pm Opening Reception and Poster Session
 Sponsored by Abbott Nutrition

Saturday, October 26, 2019

8:00 AM – 6:30 PM

8:00am – 9:45am Scientific Abstract Oral Presentations: Session 1 (Presentations 1-5)
 Introduction: Clara Song MD, FAAP
 Moderator: *Dena K. Hubbard MD, FAAP and TECAN member*

9:20 am Presentation of Marshall Klaus Research Awards
 Moderator: *Hendrik Weitkamp, MD, FAAP*
 Sponsored by *Johnson & Johnson, Mead Johnson Nutrition, Prolacta, SONPM*

9:45 am – 11:00am Session 2 (Presentations 6-10)
 Moderator: *Beena Sood MD, FAAP and TECAN member*

11:00am- 11:45am Thomas Cone History Lecture
 “How Nature, Nurture, and

Neurophysiology Have Informed the NICU Environment of Care”
Bob White, MD
 Sponsored by *Abbott Nutrition*

11:45am- 12:00pm Section of Perinatal Pediatrics Update and Awards
 Mark Hudak, MD Chair

12:00pm- 12:15pm Presentation of Neonatal Landmark Award
 Recipient: **Ronald Clyman, MD**
 Sponsored by *Mead Johnson Nutrition*

12:15pm- 12:30pm Presentation of Avroy Fanaroff Neonatal Education Award
 Recipient: **Ned Lawson, MD, FAAP**
 Sponsored by *Mead Johnson Nutrition*

Lunch Break**Section on Neonatal Perinatal Medicine****MICROBIOME SESSION**

1:30 – 1:35 Welcome and Opening Remarks –
 Angel Rios, MD, FAAP
 Moderators: *Jorn-Hendrik Weitkamp, MD, FAAP, Vanderbilt School of Medicine*

Hot Topics in Neonatology

December 9-11, 2019
 National Harbor, MD

For over 30 years, Hot Topics has been THE premiere neonatal conference, with more than 1,000 neonatologists and perinatologists attending each year.

Join us for the Pre-Conference

Neonatal Quality at Hot Topics
 December 8, 2019

For details on the conference, submitting an abstract, or exhibiting, visit www.hottopics.org




**District VI Association
of Neonatologists
Section on
Neonatal Perinatal Medicine
12th Annual District VI
Neonatology Meeting**

**2019 CONTROVERSIES IN NEONATAL
AND PERINATAL CLINICAL CARE**

Friday, September 6, 2019

and Saturday, September 7, 2019

**Hilton Suites Chicago/Magnificent Mile
Chicago, Illinois**

<http://www.d6an.org/>

1:35-2:15	Toward best practices for analysis of the bacterial, fungal and viral constituents of the human microbiome <i>Joseph Petrosino, PhD Baylor College of Medicine</i>	9:10-9:50	Is All Donor Milk Created Equal? Donor Milk Sources and Health Impact on Preterm Infants <i>Tarah Colaizy, MD, MPH, Carver College of Medicine, University of Iowa</i>
2:15-2:55	The Microbiome and Host Defense in Early Life <i>Rodney R. Dletert, PhD. Cornell University</i>	9:50-10:00	Break
2:55-3:35	Bugs & Babies: Where Does It All Begin <i>Kjersti M Aagaard Baylor College of Medicine</i>	10:00-10:40	Hospital-based Strategies to Improve Mother's Milk Use for NICU Infants <i>Aloka Patel, MD, Rush University Medical Center</i>
3:35-3:45p	Break	10:40-11:30	Optimizing Mother's Milk and Nutrition Following NICU Discharge: More Questions than Answer <i>Sarah Taylor MD, Yale New Haven Hospital</i>
3:45-4:25	Antibiotic Use in Preterm Infants: Effects on Intestinal Microbiome, Metabolome and Inflammatory Mediators <i>Josef Neu MD, University of Florida, Gainesville</i>	11:40-12:00	Questions / Discussion
4:25-5:05	Tipping the Scale with Prebiotics and Probiotics in The Dysbiotic Preterm Gut Microbiome <i>Jae Kim MD, PhD, University of California, San Diego</i>	12:00-1:00pm	Lunch
5:05 -5:20	Panel Discussion	Joint Section Program: Section on Neonatal Perinatal Medicine and Section on Simulation and Innovative Learning Methods (Interactive Group Forum)	
5:20-5:25	Young Investigators Awards <i>Sponsored by Mead Johnson Nutrition</i>	Moderators:	Taylor Sawyer DO, M.Ed., FAAP and Lou Halamek MD, FAAP
5:25-5:45	Apgar Award Recipient: Barbara Schmidt, MD <i>Sponsored by Abbott Nutrition</i>	1:00 - 1:10	Welcome <i>Taylor Sawyer, DO, M.Ed., Seattle Children's Medical Center</i>
5:45-6:30	TECaN Reception <i>Sponsored by Abbott Nutrition</i>	1:10 - 1:30	Post-event Debriefing in Neonatal Care Taylor Sawyer, DO, M.Ed., Seattle Children's Medical Center
Sunday, October 27, 2019 8:00 AM - 3:30PM		1:30 - 3:30	Introduction to video review session Videos: Delivery Room Resuscitation and Delivery Room Death Debriefings Videos Small and Large Group Discussion Large Group Q&A Final Questions and Answers and End Session <i>Taylor Sawyer, DO, M.Ed., Seattle Children's Medical Center</i> <i>Louis Halamek MD, FAAP Lucille Packard Children's Hospital, Stanford University</i>
Joint Section Program: Section on Neonatal Perinatal Medicine and Section on Breastfeeding Moderators: <i>Meg Parker MD, FAAP and Angel Rios MD, FAAP</i>			
8:00-8:30	Update from the Committee on the Fetus and Newborn <i>James Cummings, MD, FAAP</i>		
8:30-9:10	Human Milk Oligosaccharides at the Interface of Maternal and Infant Health <i>Lars Bode PhD, University of California San Diego</i>	3:30	Adjourn

BREAKOUT #2

1:00 – 3:30

Women in Neonatology
 “A PDSA Approach to Diversity,
 Equity and Inclusion.”
Rhonda Acholonu, MD

Unique opportunity for District VII Fellows



McLane Children’s Hospital, Baylor Scott and White Health System, Texas A & M Health Science Center in Temple, Texas is happy to announce that we will be hosting the 13th Scott and White Annual Neonatal (SWAN) Conference. We are looking forward to yet another successful conference year and Fellows Exchange of Neonatal Academic Curriculum (FENAC) session. For some of you who may not know FENAC provides a unique opportunity for each fellow participant to present their research work/case report at a podium level and will receive constructive critique by a designated panelist for their work in order to prepare for national conferences. This conference will also provide you opportunity to network and interact with world renowned speakers too. This year we are so excited to have a distinguished faculty including Drs. Tonse Raju, Roger Soll, Wally Carlo, Kristi Watterberg, Seetha Shankaran and many more. We will be reaching out to District VII fellowship program directors. Feel free to reach out to us directly at niraj.vora@bswhealth.org or venkata.raju@bswhealth.org with any further questions.

2019 Marshall Klaus Recipients Bench & Clinical Research Awards

Maria Estefania Barbian

*Effect of Maternal Diet during
 Pregnancy on Offspring’s Gut
 Development and Response to
 Intestinal Injury*

Emory University
 Mentor: Rheinalt Jones

*Maria Estefania Barbian*

As a future Neonatologist and physician-scientist, my goal is to optimize the outcomes of our most vulnerable patients by developing interventions to prevent necrotizing enterocolitis. My interest in this disease began during my Pediatric residency, where I cared for premature infants, some of whom died from necrotizing enterocolitis. My patients, along with their families, left a lasting impression that has driven me to study this devastating disease. While the etiology of necrotizing enterocolitis is multifactorial, microbial dysbiosis plays an important role in its pathophysiology. Over the last decade, research has shed light on the intricate relationship between the gut microbiome and human health. My interest in the gut microbiome and its relationship to neonatal intestinal disease led to me seek mentorship from Dr. Rheinalt Jones, who is an expert in the field of host cell and probiotic microbe interactions. Through the guidance of my mentor, the members of his lab, Dr. Patricia Denning and Dr. Ravi Patel, I developed a murine model to study the antenatal effects of maternal diet on the neonatal microbiome and gut development. Since my research interest is in necrotizing enterocolitis, my research specifically focuses on studying the impact of antenatal diet on the offspring’s capacity to respond to gut inflammation and injury.

Brittany E Butler

*The Role of Perinatal
 Acetaminophen Exposure in Acute
 Lung Inflammation and Abnormal
 Pulmonary Development*

University of Colorado Denver
 Mentor: Clyde Wright

*Brittany E Butler*

Despite our advancing knowledge of the risk factors and pathogenesis of bronchopulmonary dysplasia (BPD), we have no safe and effective treatment. However,

understanding the inflammatory signaling pathways that lead to abnormal lung development holds the promise to new therapies that will prevent this devastating disease. This is why I joined Dr. Clyde Wright's lab as a second-year pediatric resident and have continued this work in my neonatology fellowship. The overarching goal in our lab is to identify how innate immune NF κ B signaling leads to an injurious proinflammatory response in the neonatal lung. I am excited to use the lab techniques I have learned so far studying the expression of proinflammatory cytokines in the neonatal lung and to acquire new skills as I begin to study the effects of acetaminophen in the developing lung. As clinicians are now frequently using acetaminophen in the NICU for patent ductus arteriosus (PDA) closure, I am driven by the potential of this new work to better inform clinical decisions as we strive to provide the best possible care to preterm infants and their families.

Sarah Nicole Cilvik

The Role of Exogenous Glucagon in Growth and Metabolism in Late Gestation Fetal Lambs

University of Colorado Denver
Mentor: Paul Rozance

I am a second-year Neonatal-Perinatal Medicine fellow at the University of Colorado with a research interest in fetal physiology, metabolism, and the hormonal control of development. I have been driven by my love and fascination of infants and science since a very young age, and by my freshman year in college, I was certain I wanted to pursue a career in neonatology. It was through this love of Neonatal-Perinatal Medicine that I discovered my passion for research in Developmental Biology. My past research experiences have explored the effects of the pesticide malathion on zebrafish development (undergraduate honors thesis at Davidson College), as well as the role of fibroblast growth factor signaling in cardiac remodeling in the adult mouse heart (PhD in Developmental Biology at Washington University in St. Louis). The combination of my past research experiences with my clinical training in pediatrics led to an interest in the maternal-fetal relationship, specifically with relation to hormonal control of fetal metabolism and growth in the setting of growth restriction or maternal diabetes. As such, I identified the University of Colorado as the ideal location to complete my fellowship training under the mentorship of Dr. Paul Rozance, a leader in the field of fetal physiology. My research will investigate the impact of chronic hyperglucagonemia, which has been demonstrated in models of growth restriction and other types of fetal stress, on the growth and metabolism of a normally growing late



Sarah Nicole Cilvik

gestation fetal lamb. This project will introduce novel and innovative intellectual concepts to further the understanding of fetal growth and nutrient processing and identify new targets for intervention in the setting of IUGR. The Marshall Klaus Neonatal-Perinatal Research Award will be instrumental to promote my successful transition from Neonatal-Perinatal Medicine Fellow to an independent physician scientist in the field of fetal physiology and metabolism.

Julie Ann Dillard

Effect of Nitric Oxide and Endothelial Cell-Smooth Muscle Cell Cross-talk on the Regulation of Phosphodiesterase 3 in Pulmonary Artery Smooth Muscle Cells

Nationwide Children's Hospital
Mentor: Bernadette Chen

I am a second-year neonatology fellow at Nationwide Children's Hospital in Columbus, OH. My main research focus is neonatal pulmonary hypertension. Following residency, I spent time overseas as an active duty pediatrician in the US Air Force. During this time, I took care of many term newborns who became critically ill from persistent pulmonary hypertension of the newborn, necessitating transport to a NICU. I developed a special interest in caring for these patients, and eventually applied to complete a neonatal-perinatal medicine fellowship. While my interest in pulmonary hypertension initially stemmed from these patient interactions, it eventually led me to work in the basic science lab of Dr. Bernadette Chen, where I have worked for the past two years of my fellowship. Specifically, we are investigating the regulation of phosphodiesterase 3 by the nitric oxide pathway, and its role in pulmonary hypertension in neonates. I believe that through research we have the potential to impact not only the lives of our current patients, but also of many future generations of patients. My career aspiration is to continue basic science research as a physician-scientist with the ultimate goal of discovering new and effective therapies in the treatment of neonatal pulmonary hypertension.



Julie Ann Dillard

Kristen Nicole Noble

Defining the Roles of Fetal and Maternal Macrophages in Group B Streptococcal Ascending Chorioamnionitis

Vanderbilt University Medical Center
Mentor: David Aronoff

As a current trainee in the Neonatal-Perinatal Medicine Fellowship program at Vanderbilt University, I am committed to pursue a career in academic medicine with a

focus on basic and translational research for a very simple reason: I am determined that health status disparities be minimized. I am an African-American woman and mother who, statistically speaking, is at significantly higher risk of poor health outcomes overall. Unfortunately, despite advancement in health care capabilities, women and infants of color and those of low-income families are more likely to experience worse maternal and neonatal outcomes including significant long-term disability and even death. My intent, as an upcoming physician-scientist in Neonatology, is to contribute to the fundamental understanding of conditions that result in significant morbidity and mortality of neonates. My science career path started with training in cell biology at Meharry Medical College and Vanderbilt University, where I learned to appreciate mechanistic regulation of basic science processes. I then moved to the University of Tennessee Health Science Center in Memphis, TN where I completed my training in general Pediatrics and solidified my clinical interest in caring for the smallest and most fragile babies in the NICU. I have fused my passion with basic science and neonatology to study a problem directly related to maternal-child health, elucidating fundamental mechanisms of fetal membrane macrophages involved in bacterial chorioamnionitis, a significant driver of adverse pregnancy outcomes, particularly in women of color. My long-term plan is to use my experiences from my clinical practice in the NICU to guide my laboratory work towards answering questions that will have the greatest impact on improving neonatal outcomes. My hope is that ultimately, this work will help meet the goal of ensuring that all women, regardless of background, have the best possible chance of having healthy babies with promising futures.



Kristen Nicole Noble

my fellowship under the mentorship of Dr. Lynette Rogers. Other than structural heart disease, cardiac complications of prematurity are not well-recognized in the neonatal period, but premature birth is associated with higher rates of several cardiovascular morbidities later in life. I am studying the pathophysiology underlying the fetal and neonatal origins of adult cardiovascular disease, using a mouse model to discover molecular and functional changes that can be detected early in life. My project focuses on the increased rates of heart failure seen in former premature infants. My overall objective is to impact the clinical care of patients by identifying methods for early detection of infants at high-risk for heart disease in adulthood, which will allow for targeted surveillance, possible prevention, and prompt treatment of cardiac morbidities. Ultimately, my goal is to become an independent physician-scientist conducting basic and translational research studying the developmental origins of cardiovascular disease.

Cynthia Nichole Schreiner

Placental Proteins and Prematurity

Children's Hospital Colorado
Mentor: Theresa Powell

I am currently a fellow in the Neonatal-Perinatal fellowship program at Colorado Children's Hospital. Throughout my career, clinical research has been an integral part in my overall development, but it was not until I started to study at Colorado Children's that the placenta, an organ which has recently received attention for being more than just a bystander during pregnancy, sparked my interest. Under the direction of Drs. Theresa Powell and Thomas Jansson, I developed and received IRB approval for a novel project that hypothesizes that the mortality and morbidities seen with prematurity today is due to the loss of factors secreted from the placenta to the fetus following discontinuation of the umbilical circulation with preterm delivery. We are currently undergoing active recruitment of mothers with infants 23 to 32 gestational weeks and collecting both cord blood at birth and neonatal blood at 2-3 days of life to evaluate this hypothesis. Once all samples have been collected, we will use a proteomic platform that will evaluate >1300 proteins to determine if proteins are secreted from the placenta at varying gestational ages. If this is seen, we will next evaluate if their concentration is significantly decreased following delivery. With the funding provided by this grant, my goal is to continue to advance my career in academics through strengthening my written and laboratory skills, ultimately leading to future investigations in medical research.



Cynthia Nichole Schreiner

Leeann Rebecca Pavlek

Cardiovascular Contractility Deficits due to Adverse Perinatal Exposures

Nationwide Children's Hospital
Mentor: Lynette Rogers

I am currently a second year Neonatal-Perinatal Medicine fellow at Nationwide Children's Hospital in Columbus, Ohio. My clinical interest has always been neonatal cardiology and heart development, and I have been



Leeann Rebecca Pavlek

able to conduct basic science research in this field during

Julie Du Thai

The Role of Intestinal Inflammation on the Premature Intestinal Microbiome and Postnatal Growth

Brigham and Women's Hospital
Mentor: Katherine Gregory

My early training in basic science led me to develop a keen interest in how the microbiome influences health outcomes during early life. This interest was magnified while I was a pediatric resident at UCSF Benioff Children's Hospital Oakland. Now, as a neonatology fellow at Boston Children's Hospital, I am working to develop new means to study overall gut health during infancy, with a focus on how the microbiome influences clinical outcomes, such as preterm infant growth. Preterm infant growth outcomes, and in particular, growth failure, is one of the most common problems among preterm infants, impacting half of all preterm infants born today. Not only is this a common problem, it is one that has been persistent across decades, despite improved nutritional strategies. Focusing on gut health and intestinal biology, my overall goal is to identify novel therapeutic targets to optimize growth outcomes in this vulnerable population. Under the mentorship team led by Katherine Gregory, PhD at Brigham and Women's Hospital and Harvard Medical School, I will analyze fecal and urine biospecimens as well as clinical metadata from a previously hospitalized group of preterm infants to assess the influence of intestinal inflammation and the microbiome on growth outcomes. The Marshall Klaus Award will not only aid in the successful completion of this ambitious project but will also enable my goal in transitioning to an autonomous physician scientist.



Julie Du Thai

insights to make translational discoveries that improve human health. My current focus aims to identify genetic determinants of hematopoiesis. I used machine learning to identify putatively active genetic variation that impacts human platelet traits, and validated my findings in cellular models. Specifically, I found that Tropomyosin 1 deficient stem cells yield at least twice as many blood cells as controls. Going forward, I will (i) use computational analysis of human genetics and functional genomics data to identify modulators of hematopoiesis, (ii) develop cellular models and model systems to study modulators of hematopoietic development, with TPM1 as an exemplar candidate, and (iii) use these two experimental workflows to identify novel translational gene targets and therapeutic approaches to ameliorate hematopoietic disorders. Support from a Marshall Klaus Perinatal Research Award will help me pursue this research.

Newborn Medicine Education Award

Kinsey Marie Roth

Letting Parents be Parents: A Medical Education Curriculum to Facilitated Parent Bedside Engagement and Family Integrated Care

University of Pittsburgh Medical Center

Mentor: Karena Lawrence



Kinsey Marie Roth

I am a second year Newborn Medicine fellow at the University of Pittsburgh Medical Center as well as a candidate in the Master of

Medical Education program. A native of Colorado, I attended the University of Colorado as an undergraduate and later as a graduate student at the school of medicine. During these years, I cultivated a passion for education and an appreciation of its power as a social determinant and vital aspect of health. In medical school, I immediately joined our leadership, education, and advocacy track and dove into an issue rife with complex interplay of social determinants: insurance coverage. Under the mentorship of Dr Mark Earnest and Dr Steve Federico, I worked with the Colorado Consumer Health Initiative during the construction of Colorado's statewide health insurance marketplace. It was important for me that those who were uninsured, underinsured, or not receiving their due benefits (eg-children eligible but not yet covered by the Children's Health Insurance Program) would have easy access to information and guides to get them through the process. This experience led me into pediatrics, and I completed my general pediatrics residency at the University of Pittsburgh Medical Center. During residency I carried out a scholarly project entitled "Roadmap to the NICU." Using key informant interviews of current NICU parents, I created a

Christopher Stephen Thom

Computational and Biochemical Investigation of Tropomyosin 1 and Other Genetic Regulators of Platelet Development

Children's Hospital of Philadelphia
Mentor: Benjamin Voight

My long-term goal is to become a productive physician-scientist engaged in clinical neonatology, laboratory research, and teaching. I aim to use computational



Christopher Stephen Thom

methods to rigorously analyze human genetic data, and test computationally-driven hypotheses using cellular and molecular approaches. Ultimately, I want to use genetic

graphic-heavy workbook for families to track progress through the NICU and have a visual sense of closing in on the requirements for discharge. This extended time interviewing parents made me keenly aware of opportunities to improve the support of our NICU families. For me, taking care of my patient's family is part of providing care for my patient. Through education of staff and caregivers, my career goal is to advance the application of family integrated care practices and improve parental-self efficacy in the NICU.

Health Research Services Awards

Delia Marie Horn

Association between Antenatal Ultrasound Findings and Neonatal Outcomes in Rural Uganda

University of Vermont Medical Center

Mentor: Danielle Ehret

My interest in improving resource management and allocation in the low and middle-income country (LMIC) setting preceded my entry into medical training, and has remained a driving force behind my academic pursuits. In medical school I was awarded a Schweitzer Fellowship to design a curriculum introducing the American health care system to new Americans, which I then taught to Nepali-American refugees. In residency I participated in a pilot concordance study evaluating the utility of basic protocolized ultrasound sweeps for use in the LMIC setting. As a neonatal-perinatal medicine fellow and physician scientist in-training, I remain dedicated to initiatives that will improve the care provided to infants and



Delia Marie Horn

families where resources are scarce. Throughout my career I hope to combine technological advances with quality improvement work in order to elevate the care that is available to LMIC residents, as well as those living in resource-limited areas within middle and high income countries. During my fellowship at the University of Vermont I have had the privilege to work with Dr. Danielle Ehret, Director of Global Health for Vermont Oxford Network, as my mentor. Guided by her experience and expertise, I intend to explore the utility of prenatal ultrasounds when performed in the LMIC setting. The goal of this work is to determine if certain ultrasound findings, when identified prenatally in the LMIC, are predictive of neonatal outcomes at delivery.

Kathleen E Hannan

Characterization, Disparities, and Prediction of Medical Complexity in VLBW Infants Discharged from the NICU

University of Colorado

Mentor: Sunah Susan Hwang



Kathleen E Hannan

As a current first year fellow at the University of Colorado, my research interests stem from caring for high-risk neonates, notably those with medical complexity and technology dependence. My passion in this area began in medical school and continued through residency, where I gained experience by working with NICU graduates with high medical needs through my weekly continuity clinic at our hospital's complex care clinic. As I now continue to expand my research skills using population-level databases focusing on neonatal outcomes through

Fragile Infant Feeding Institute—FIFI

Thursday—Sunday, August 22-25, 2019

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Providence, RI

Brochure can be found at www.cme.hsc.usf.edu

Click on *course calendar* on left side of page; filter by month (Aug 2019)

OR

Email brose@health.usf.edu for more information

Provided by



pursuing a Master of Science in Clinical Science degree, I have become even more interested in applying these skills to define and characterize neonates with medical complexity, with a particular focus on how disparities affect their medical risk at NICU discharge. I hope to use this information as an early step towards disentangling the complex interactions of social, clinical, and hospital-level factors on discharge outcomes of VLBW infants. Not only will the Marshall Klaus Award help me to advance my current research, but it will also provide opportunities for education to support me on my path to becoming an academic neonatologist and an avid health services researcher.

The NRP Roadshow is Heading Your Way

The NRP Steering Committee is hosting a special 1-day instructor workshop in several locations throughout the country. Roadshow highlights include:

- NRP Live featuring NRP Steering Committee members/experts.
- Discuss science, administration, simulation technologies, and educational methodology.
- Live demonstrations of simulation tips and digital tools.
- Opportunity to dialogue on your questions.

Save the Date! Upcoming Roadshows include:

August 3, 2019 | Children's Hospital of Colorado | Denver, CO

November 7, 2019 | University of Illinois Hospital | Chicago, IL

...and more to come in 2020!

For more information, visit our website at <https://tinyurl.com/NRPRoadshow>

Save the Date!

11th Annual Topics in Neonatal Nutrition and Advances in Neonatal Care

October 15-16, 2019

Tappan Hill Mansion, Tarrytown, New York

This year's speakers will include **Jochen Profit, Aloka Patel, Sara Ramel, Sagori Mukhopadhyay, Ian Griffin, Susan Lynch, Rick Guidotti, and Richard Polin**

For more information contact: **Marlena Schreifels**
Office of Continuing education (518) 262-5828
schreim@amc.edu



MIAMI 2019 NEONATOLOGY

43rd International Conference

November 10-13, 2019

Loews Hotel, Miami Beach, Florida

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Section on Neonatal-Perinatal Medicine

SAVE THE DATE!

2020 WORKSHOP ON NEONATAL PERINATAL PRACTICE STRATEGIES

Sponsored by the Section on Neonatal - Perinatal Medicine

March 27-29, 2020

**Paradise Valley DoubleTree Hotel
Scottsdale, Arizona**

The 2020 Workshop will feature:

- A special one-half day Neonatal Coding Seminar
- L. Joseph Butterfield Lecture:
- Presentation from the AAP Committee on Fetus and Newborn (COFN) regarding policies and guidelines currently under development/review
- Ample opportunity to meet and exchange ideas with neonatologists in all types of practices from around the country
- Opportunity for attendees to influence the direction and activities of the Neonatal-Perinatal Section through direct communication with its leadership and members.
- TECaN, MidCan, WECaN and WiN meetings!
- Welcome reception
- Time for recreation

For more information or to request a brochure, access www.pedialink.org/cmefinder or call 866/843-2271.

Mark your calendars for these upcoming neonatal-perinatal CME courses!



NeoPREP®: An Intensive Review and Update of Neonatal-Perinatal Medicine

February 7-11, 2020

Long Beach, CA

Renaissance Long Beach Hotel



Workshop on Neonatal-Perinatal Practice Strategies

March 27-29, 2020

Scottsdale, AZ

Doubletree Paradise Valley Resort

For updates, visit shop.aap.org/live-activities

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2020 Spring Meeting
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March 29-30



- Keynote Speaker [to come]
- “Meet the Professor” networking breakfast
- Skills workshops, open discussion, speed dating and more

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Neonatologists



CAN/AAP District IX Section on Neonatal-Perinatal Medicine 26th Annual Conference Cool Topics in Neonatology

March 6 – 8, 2020

Coronado Island Marriott Resort
Coronado, California

For more meeting information:

www.cme.ucla.edu or www.canneo.org

CHNC Annual Symposium: Opening of Registration & Symposium Highlights

Announcing the Opening of Registration for the:

CHNC 11th Annual Quality, Research & Educational Symposium

Symposium Highlights

Neonatal Fellow Sessions

- Breakfast for Neonatal Trainees and Division Leaders
- Navigating the Transition from Fellowship through the Early Faculty Years

Neonatal Fellow Travel Awards

- Multiple travel awards will be available for neonatal-perinatal medicine fellows who submit abstracts, based on the quality and impact of the submission.

Workshops

- Nursing Leadership
- Critical and Difficult Airway Management
- Designing Effective Surveys
- CIQI Education

Our collegial consortium provides an ideal opportunity for all team members—including faculty and trainees of neonatology, surgery, anesthesia and other pediatric subspecialties, as well as NICU staff including nurses, nurse practitioners, physician assistants, respiratory therapists, and developmental care providers—to both present their work and attend our symposium.

**We look forward to seeing you this
November in Atlanta.**

***The CHNC Symposium Planning
Committee***

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**The SONPM would like to thank Abbott Nutrition
for sponsoring the following
section activities!**

NeoReviews/NeoReviews Plus

Section Newsletter

Virginia Apgar Award

Thomas Cone Jr History Lectureship

L. Joseph Butterfield Lectureship

Perinatal Spring Workshop

Neonatal/Perinatal Fellows Conferences

TECaN NCE & Workshop Travel Grants

Gerald Merenstein Lecture

Section Faculty Dinner

NICHD Young Investigator Conference

NCE Poster Session & Reception

ONTPD Networking Session

NeoPREP

APGAR Award Dinner

TECaN NCE Reception

Women in Neonatology