

California Association of Neonatologists (CAN) and  
AAP District IX Section on Neonatal-Perinatal Medicine

# Cool Topics in Neonatology

23rd Annual Conference

Friday, Saturday & Sunday  
March 3-5, 2017  
Coronado Island Marriott Resort  
Coronado, California



**CME** OFFICE OF  
CONTINUING  
MEDICAL  
EDUCATION

DAVID GEFKEN SCHOOL OF MEDICINE at **UCLA**

## Faculty

### Course Chair

**Balaji Govindaswami, MD, MPH**

Chief, Division of Neonatology  
Director NICU and High Risk Infant  
Follow-Up  
Santa Clara Valley Health and Hospital  
System

Clinical Professor (affiliated) of Pediatrics  
Stanford University School of Medicine  
Stanford, California

### Course Co-Chairs

**Udaykumar P. Devaskar, MD**

Professor of Pediatrics  
Director of NICU  
David Geffen School of Medicine at UCLA  
Los Angeles, California

**Andrew O. Hopper, MD**

Chair, District IX Section on Neonatal-  
Perinatal Medicine, AAP  
Professor of Pediatrics  
Loma Linda University School of Medicine  
Loma Linda, California

### Faculty

**David H. Adamkin, MD**

Professor of Pediatrics  
Division Chief of Neonatal Medicine  
Rounseval Chair of Neonatology  
University of Louisville  
Louisville, Kentucky

**Ira Adams-Chapman, MD, MPH**

Assistant Professor of Pediatrics  
Emory University School of Medicine  
Neonatologist, Children's Healthcare of  
Atlanta  
Atlanta, Georgia

**Meghan Azad, PhD**

Assistant Professor, Department of  
Pediatrics & Child Health  
Research Scientist, Children's Hospital  
Research Institute of Manitoba  
University of Manitoba  
Manitoba, Canada

**Wanda D. Barfield, MD, MPH, FAAP**

Captain, U.S. Public Health Service  
Director, Division of Reproductive Health  
National Center for Chronic Disease  
Prevention and Health Promotion  
Atlanta, Georgia

**Lars Bode, MD**

Associate Professor of Pediatrics  
University of California, San Diego  
Director, Mother-Milk-Infant Center of  
Research Excellence (MoMI CoRE)  
President, International Society for  
Research in Human Milk and Lactation  
(ISRHML)  
La Jolla, California

**Atul Butte, MD, PhD**

Professor of Pediatrics  
University of California, San Francisco  
Director, Institute for Computational Health  
Sciences  
San Francisco, California

**Kara L. Calkins, MD**

Assistant Professor, Department of  
Neonatology  
David Geffen School of Medicine at UCLA  
Los Angeles, California

**Susan E. Carlson, PhD**

Department of Dietetics and Nutrition  
University of Kansas Medical Center  
Kansas City, Missouri

**Christina Chambers, PhD, MPH**

Division of Epidemiology  
Department of Family Medicine and Public  
Health  
University of California, San Diego School of  
Medicine  
San Diego, California

**John Patrick Cleary, MD**

ECMO Director & Associate Director  
CVICU, CHOC Children's Hospital  
Regional Director of Neonatology, CHOC PSF  
Associate Clinical Professor of Pediatrics  
University of California, Irvine  
Irvine, California

**Ronald S. Cohen, MD**

Clinical Professor of Pediatrics  
Stanford University School of Medicine  
Medical Director - ICN  
Lucile Packard Children's Hospital  
Palo Alto, California

**Jennifer L. Fang, MD, MS**

Fellow, Neonatal-Perinatal Medicine  
Assistant Professor of Pediatrics  
Mayo Clinic College of Medicine  
Rochester, MN

**Neil N. Finer, MD**

Professor Emeritus  
University of California, San Diego  
Neonatal Research Associate  
Sharp Mark Birch Hospital for Women and  
Newborns  
San Diego, California

**Katie Hinde, PhD**

Associate Professor, School of Human  
Evolution and Social Change  
Center for Evolution and Medicine  
Arizona State University  
Tempe, Arizona

**Thomas Hui, MD**

Pediatric Surgery  
UCSF Benioff Children's Hospital Oakland  
University of California, San Francisco  
San Francisco, California

**Marilyn C. Jones, MD**

Professor of Clinical Pediatrics  
Clinical Service Chief, Genetics  
Rady Children's Hospital-San Diego  
University of California, San Diego  
La Jolla, California

**Roberta L. Keller, MD**

Associate Professor of Clinical Pediatrics  
Medical Director, Neonatal ECMO Program  
University of California, San Francisco  
San Francisco, California

**Rob Knight, PhD**

Professor, Departments of Pediatrics and  
Computer Science & Engineering  
Director, Center for Microbiome Innovation  
University of California, San Diego  
La Jolla, California

**Satyan Lakshminrusimha, MD**

Professor of Pediatrics and Chief,  
Neonatology  
Department of Pediatrics  
Women and Children's Hospital of Buffalo  
Buffalo, New York

**Grace Lee, MD, MPH**

Associate Professor of Population Medicine  
and Pediatrics, Harvard Medical School  
Director of the Center for Healthcare  
Research in Pediatrics  
Associate Medical Director of Infection  
Prevention and Control  
Boston Children's Hospital  
Boston, Massachusetts

**Lawrence Prince, MD, PhD**

Associate Professor of Pediatrics  
Division Chief of Neonatology  
Rady Children's Hospital  
University of California, San Diego  
La Jolla, California

**Rangasamy Ramanathan, MD**

Professor of Pediatrics  
Division Chief, Neonatal Medicine, LAC and  
USC Medical Center  
Director, NPM Fellowship Program and  
NICU  
Los Angeles, California

**John A. F. Zupancic, MD, MS, ScD**

Associate Professor of Pediatrics  
Harvard Medical School  
Associate Chief of Neonatology  
Beth Israel Deaconess Medical Center  
Boston, Massachusetts

## General Information

### Accreditation

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 12 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved by the AMA for Category 1 credit as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local state board for specific continuing education policies.

### Disclosure

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is "truly independent" and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, Accreditation Council for Continuing Medical Education policy now mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.

### Location

Coronado Island Marriott Resort  
2000 Second Street  
Coronado, CA 92118  
(619) 435-3000

### Enrollment

Enrollment is limited; we suggest you enroll early.

*By Mail* – Send the completed enrollment form to:  
Office of Continuing Medical Education  
Cool Topics in Neonatology  
David Geffen School of Medicine at UCLA  
10920 Wilshire Boulevard, Suite 1060  
Los Angeles, CA 90024-6512

*Online* – Use your MasterCard, VISA, Discover, or AmEx card. Go to [www.cme.ucla.edu](http://www.cme.ucla.edu) and click on Cool Topics in Neonatology.

*By Phone* – Use your MasterCard, Visa, American Express or Discover card. Call (310) 794-2620.

*By Fax* – Fax the enrollment form with charge card information and your authorizing signature to (310) 794-2624.

### Accommodations

A block of rooms has been reserved at the Coronado Island Marriott Resort at seminar rates: \$245 single or double occupancy plus state and local taxes. One night's deposit is required. Confirmation of reservations received after Thursday, February 9, 2017, is subject to availability.

There is always the possibility the room block might sell out prior to February 9, 2017, in which case rooms will be sold at a higher rate based on availability and/or you will be referred to another hotel.

For more information and reservations call (800) 228-9290 or (619) 435-3000. Indicate that you are attending the Cool Topics in Neonatology program in order to receive conference rates. You may book online at <http://www.marriott.com/sanci>. Click on special rates & awards. The group code is [uclucla](http://www.marriott.com/sanci).

**It is strongly advised that you make room reservations early.**

### Refunds

Cancellations must be received in writing by February 1, 2017 and will be subject to a \$75 processing fee. No refunds will be given after that date. If for any reason the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

### Conference Parking

Self parking is \$15 per day  
Valet parking is \$35 per day

The 2017 CAN meeting is environmentally friendly! The syllabus for the conference will be distributed to attendees on a flash drive at the meeting. You will also be able to download the syllabus prior to the meeting. If you bring your laptop to the conference, be aware that there are no electrical outlets at the conference tables. Make sure your laptop is fully charged each day.

## Non-CME Workshop

### Neonatology Point-of-Care Ultrasound (POCUS) Workshop

**Sunday, March 5, 2017 12:30-5:00 pm**

Chair: Jae Kim, MD, PhD, UC San Diego Jacobs Medical Center & Rady Children's Hospital

We have assembled a didactic/hands-on workshop on the increasing use of neonatology operated bedside ultrasound. The workshop is aimed at increasing the adoption of these emerging practices in neonatology and facilitate the foundational basis for new and intermediate learners to acquire or improve their ultrasound skills. We will start with a working lunch introduction with box lunches provided after the main CAN session has completed. We will provide didactic lectures that include basics of ultrasound, cardiac views, non-cardiac views, and clinical applications/scenarios. The second half of the workshop will offer close learning at several teaching stations that will cover cardiac, non-cardiac and clinical applications. An ample number of instructors and live models will be present to provide a solid practical experience for participants.

REGISTRATION FOR THIS WORKSHOP IS SEPARATE FROM THE COOL TOPICS IN NEONATOLOGY MEETING.

Registration for the workshop is only accepted online at <http://www.cme.ucla.edu> click on Cool Topics in Neonatology; then click on the workshop button. The fee is \$150 (includes box lunch) and there is no refund.

Space is limited to 50 participants and applications will be accepted on a first come, first serve basis.

Attendees who register and pay will receive a separate confirmation for the workshop which will guarantee entrance. Open to Cool Topics attendees only.

Fee: \$150 (Fellows' fee \$75)

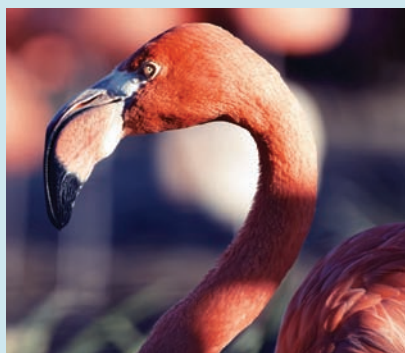
## Coronado Island Marriott Resort

The Coronado Island Marriott Resort is only 20 minutes from the San Diego airport and a short water ferry ride to downtown San Diego. There are 300 rooms, villas, and suites set along 16 waterfront acres of San Diego Bay, offering sweeping views of the water and downtown skyline.

Recreational amenities are plentiful. Sailing, waterskiing and deep-sea fishing are available from the private pier. Golf is just across the boulevard at Coronado's 18-hole championship course.

Suggested activities in the San Diego area include:

- San Diego Zoo
- San Diego Wild Animal Park
- Gaslamp Quarter
- Seaport Village
- Old Town San Diego
- Balboa Park
- Point Loma Lighthouse & Cabrillo National Monument



Friday, March 3, 2017

## 2017 CPQCC at Cool Topics in Neonatology • 8:00 am - 7:00 pm

### DESCRIPTION

The 2017 California Perinatal Quality Care Collaborative (CPQCC) workshop titled "CPQCC at Cool Topics in Neonatology" will focus on standardizing practice and care and healthcare services delivery. Small baby outcomes in the State of California and the nation will be explored. In addition, speakers will address standardizing practice and care in the NICU and the healthcare services delivery spectrum will be presented and discussed.

### COURSE OBJECTIVES

At the conclusion of the program, participants should be able to:

- Identify current trends with small baby outcomes in the State of California
- Describe the benefit of standardizing practice related to delayed cord clamping and approaches to care for the NICU patient
- Describe the impact of culture of safety in the obstetric and neonatal population
- Describe teleneonatology and the impact on healthcare services delivery in the NICU

### TARGET AUDIENCE

The California Perinatal Quality Care Collaborative (CPQCC) workshop is geared towards multidisciplinary teams of caregivers from neonatal units that include: neonatologists, pediatricians, neonatal nurse practitioners, registered nurses, with ancillary staff, as well as hospital risk management and quality improvement specialists who can implement change in the management of the topics presented.

7 AMA PRA Category 1 Credit(s)<sup>TM</sup>

### PROGRAM DIRECTOR

#### Balaji Govindaswami, MD, MPH

Chief, Division of Neonatology  
Director, NICU and High Risk Infant Follow-Up  
Santa Clara Valley Health and Hospital System  
Clinical Professor (affiliated) of Pediatrics  
Stanford University School of Medicine  
Stanford, California

### FEES:

\$125 Individual with Site Team

\$150 Individual

## CPQCC at Cool Topics in Neonatology Program

7:15 **Registration and Continental Breakfast**

7:50 **Welcome and Introductions**

*Courtney Nisbet, RN, MS; Richard D. Van Woerkom, MD*

8:00 **Perinatal Quality Research in California**

*Henry Lee, MD, MS Epi*

8:30 **Are Outcomes Improving for the Smallest Babies?**

*Jeffrey Gould, MD, MPH*

8:45 **Are Small Baby Outcomes Improving Nationwide?**

*Jeffrey Horbar, MD*

9:00 **Newborn Hyperbilirubinemia: Toolkit Lessons**

*Aida Simonian, MSN*

9:15 **Use of TcB (Transcutaneous Bilirubinometry) in California NICUs**

*Dilip Bhatt, MD*

9:30 **Danger of Phototherapy?**

*Mike Kuzniewicz, MD, MPH*

9:45 **Panel Discussion**

10:00 **Break**

### STANDARDIZING PRACTICE AND CARE

Moderators: *Mindy Morris, DNP; Henry Lee, MD, MS Epi*

10:30 **Ventilator Associated Events (VAE) – Part I**

*Grace Lee, MD, MPH*

10:50 **Defining Newborn Hypoglycemia**

*David Adamkin, MD*

11:20 **Bridging the Racial and Ethnic Divide in California NICUs**

*Jochen Profit, MD, MPH*

11:35 **Delayed Cord Clamping**

*Priya Jegatheesan, MD*

11:45 **Panel Discussion**

12:00 **Lunch**

### HEALTHCARE SERVICES DELIVERY

Moderators: *Mary Hackim, MSN; Kamakshi Devarajan, MD*

1:00 **Adverse Childhood Experiences and the NICU: What Does This Tell Us?**

*Rhoda Blankenship, MCAH Director; Roshni Shah, MPH*

1:20 **Teleneonatology**

*Jennifer Fang, MD*

1:40 **NICU Hospitalists: A Tale of Two Cities – San Jose and Los Angeles**

*Monica Stemmler, MD; Jennifer Levy, MD*

2:00 **Panel Discussion**

2:15 **Break**

Moderators: *Barbara Murphy, MSN; Glenn DeSandre, MD*

2:45 **Culture of Safety**

*Lawrence Lurvey, MD, JD*

3:30 **When QI Is Sooo Not Cool**

*Don A. Goldmann, MD*

4:00 **Poster Symposium/Reception**

5:30 **Quality Improvement Awards and Stories**

*John P. Cleary, MD*

6:00 **Keynote Lecture**

7:00 **Adjourn**

Friday, March 3, 2017

## Neonatology Fellows' Workshop 2017 • 8:30 am - 3:30 pm

### DESCRIPTION

The Section on Perinatal Pediatrics District IX and the California Association of Neonatologists are pleased to sponsor the 13th annual workshop for California neonatology fellows entitled **Life After Fellowship: Exploring Career Opportunities and Practical Considerations for New Neonatologists**. The workshop is designed to provide neonatology fellows and new neonatologists with the information that they will need to make career choices for practicing neonatology as well as exploring the non-clinical elements of practice, including exploring different practice models, the business of neonatology, finding a job, work/life balance and personal wellness, women in neonatology, practical financial planning, professionalism and conflict resolution in the workplace. The workshop will emphasize small group participation and discussion. An expert faculty will conduct this workshop. Enrollment is open to all neonatology fellows in California, but will be limited to approximately 30 participants. New neonatologists within two years of completing their fellowship will also be welcome to attend if space is available. Pre-registration is required.

### PROGRAM COMMITTEE

#### Chris Retajczyk, MD

Medical Director, NICU  
Sutter Medical Center of Santa Rosa  
Santa Rosa, California

#### Soina K. Dargan, MD, MS

Assistant Professor of Pediatrics  
Director of Education  
Neonatal-Perinatal Fellowship Program  
Department of Pediatrics Division of  
Neonatology & Hospital Medicine  
David Geffen School of Medicine at  
UCLA  
Torrance, California

#### Andrew O. Hopper, MD

Chair, District IX Section on  
Neonatal Perinatal Medicine, AAP  
Professor of Pediatrics  
Loma Linda University School of  
Medicine  
Loma Linda, California

#### Adrian Lavery, MD, MPH

Assistant Professor of Pediatrics  
Program Director, Neonatal-Perinatal  
Medicine Fellowship  
Loma Linda University School of  
Medicine  
Loma Linda, California

#### Rangasamy Ramanathan, MD

Professor of Pediatrics  
Division Chief, Neonatal Medicine,  
LAC and USC Medical Center  
Director, NPM Fellowship Program and  
NICU  
Los Angeles, California

#### Virender Rehan, MD

Chief, Division of Neonatology  
Director, Neonatal-Perinatal  
Fellowship Training Program  
Co-Director Perinatal Research Center  
Harbor UCLA Medical Center, David  
Geffen School of Medicine at UCLA  
Torrance, California

Friday, March 3, 2017

## Cool Topics in Neonatology 23rd Annual Conference

Please note that the evening format includes a reception and poster session followed by an exciting keynote lecture.

### EVENING SCHEDULE

4:00-6:00 pm

#### Reception and Poster Session

Abstracts of general neonatology interest and reports of team based quality improvement will be presented. Authors will be available for discussion.

5:30

Poster Symposium and Presentation of the David Wirtschafter Award

Selected abstracts will be presented to the audience

6:00

#### KEYNOTE LECTURE

*Translating a Trillion Points of Data into Therapies, Diagnostics and New Insights into Disease*

*Atul Butte, MD, PhD*

7:00-8:00 pm

Reception Continues

For abstract information, go to <http://www.choc.org/2017CANAbstracts>

# Cool Topics in Neonatology

## 23rd Annual Conference

This is the twenty-third annual conference presented by the California Association of Neonatologists (CAN) and the AAP District IX Section on Neonatal-Perinatal Pediatrics. Internationally recognized speakers will present important clinical topics.

### Target Audience

Neonatologists and neonatal nurse practitioners

### Course Objectives

1. Apply appropriate guidelines in managing infant nutrition
2. Recognize racial and ethnic disparities in NICU processes and outcomes
3. Recognize emerging issues in the practice of neonatal care
4. Apply appropriate strategies in managing ventilator-associated events

## Saturday, March 4, 2017

- 7:00 **Registration, Continental Breakfast, and Visit Exhibits**
- 7:50 **Welcome and Opening Remarks**  
*Balaji Govindaswami, MD, MPH*
- 8:00 **Zika Update**  
*Wanda Barfield, MD, MPH*
- 8:30 **Global Variation in Human Milk Composition**  
*Katie Hinde, PhD*

### 9:00 Discussion

Moderator: *John Patrick Cleary, MD*

- 9:15 **Pathophysiology of CLD**  
*Lawrence Prince, MD, PhD*
- 9:45 **Ventilator Associated Events (VAE) – Part II**  
*Grace Lee, MD, MPH*
- 10:00 **Panel Discussion – Present Standard of Care**
- 10:15 **Break/Visit Exhibits**
- 10:45 **Pulmonary Artery Hypertension**  
*Satyan Lakshminrusimha, MD*
- 11:15 **Pulmonary Vascular Disease in BPD**  
*Roberta L. Keller, MD*

### 11:45 Panel Discussion-Present Standard of Care

### 12:15 Lunch

Moderators: *Kara L. Calkins, MD;*  
*Balaji Govindaswami, MD, MPH*

- 1:15 **Prevention of ROP: A Meta-Analysis**  
*Jennifer L. Fang, MD, MS*
- 1:30 **Oxygen Saturation Controversies**  
*Rangasamy Ramanathan, MD*
- 1:50 **Oxygen Use in the Delivery Room**  
*Neil N. Finer, MD*
- 2:25 **Panel Discussion**
- 2:45 **Break/Visit Exhibits**
- 3:15 **Getting Ready for What's Coming in Genetic Testing in the NICU**  
*Marilyn C. Jones, MD*

- 4:00 **Are Neurodevelopmental Outcomes Improving?**  
*Ira Adams-Chapman, MD, MPH*
- 4:40 **3000 Trials and Counting: Are You Getting Your Money's Worth?**  
*John A. F. Zupancic, MD, MS, ScD*
- 5:00 **Discussion**
- 5:15 **Adjourn**

## Sunday, March 5, 2017

Moderator: *Ronald Cohen, MD*

- 7:50 **Introduction**  
*Ronald Cohen, MD*
- 8:00 **Current Nutritional Strategies**  
*David H. Adamkin, MD*
- 8:40 **Pediatric Surgery Update**  
*Thomas Hui, MD*
- 9:20 **Human Milk: Medications, Regulations and Repositories**  
*Christina Chambers, PhD, MPH*
- 10:00 **Discussion**
- 10:15 **Break/Visit Exhibits**
- Moderator: *Lars Bode, PhD*
- 10:45 **Prospects for Restoring Infant Microbiomes by Vaginal Inoculation?**  
*Rob Knight, PhD*
- 11:15 **DHA and ARA: Important Nutrients in Human Milk**  
*Susan E. Carlson, PhD*
- 11:45 **Perinatal Exposures, Gut Microbiota and Infant Feeding: Implications for Life Long Health**  
*Meghan Azad, PhD*
- 12:15 **Discussion**
- 12:30 **Adjourn**

# Application for Enrollment

## Cool Topics in Neonatology

23rd Annual Conference

M167-18

### CPOCC Workshop

\$125 individual with site team     \$150 individual

### Cool Topics in Neonatology Conference

CAN Members \$300                       Non-CAN Members \$350

Nurses \$225                                 Fellows/Residents \$75

\_\_\_\_\_ TOTAL

\_\_\_\_\_

Last four digits of your Social Security Number

\_\_\_\_\_

Name (First, Middle, Last)

\_\_\_\_\_

Degree

\_\_\_\_\_

Preferred Mailing Address

\_\_\_\_\_

City/State/Zip

\_\_\_\_\_

Country

\_\_\_\_\_

Area Code / Daytime Phone

\_\_\_\_\_

Fax

\_\_\_\_\_

Field of Practice

\_\_\_\_\_

Hospital Affiliation

\_\_\_\_\_

E-mail Address

### Form of Payment

Check enclosed, payable to Regents of the University of California

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<http://www.cme.ucla.edu>