

PROGRAM
AGENDA

NEC SYMPOSIUM FROM PRIORITIES TO ACTION

AUGUST 28-30, 2023
LOEWS CORONADO BAY RESORT
SAN DIEGO, CA



Together, we can build a world without NEC. [Join us.](#)



Building a world without NEC

The NEC Symposium will bring together hundreds of participants from across the US and around the globe to advance innovative research and quality care practices. Together, we will turn our PRIORITIES into ACTION.

3 LEARNING TRACKS:



RESEARCH



CARE



ADVOCACY

The NEC Society is a 501(c)(3) nonprofit organization dedicated to building a world without necrotizing enterocolitis (NEC) through research, advocacy, and education.

The NEC Society brings together patient-families, clinicians, and other diverse stakeholders to better understand, prevent, and treat this devastating disease.

**NEONATOLOGISTS ■ NURSES ■ PATIENT-FAMILIES
PEDIATRIC SURGEONS ■ SCIENTISTS ■ CARDIOLOGISTS ■ NEPHROLOGISTS
DIETITIANS ■ INDUSTRY ■ NONPROFITS ■ GASTROENTEROLOGISTS**

JOIN US!

TARGET AUDIENCE

We are eager to collaborate with diverse stakeholders who want to help **build a world without NEC**. This includes physicians, scientists, nurse practitioners, nurses, pharmacists, dietitians, nonprofit leaders, industry, and others. Attendees should be interested in understanding necrotizing enterocolitis (NEC); improving NEC diagnosis, prevention and treatment; and partnering with patient-families.

WHY YOU SHOULD ATTEND

Despite significant advances in neonatal care, NEC remains a leading cause of death for neonates, with survivors frequently facing lifelong health challenges. This conference will provide a **rare opportunity for multidisciplinary conversations** about improving NEC outcomes and driving patient-centered care and research.

The NEC Society recently built a **prioritized research agenda for the field**. The Symposium will convene many of the most committed NEC professionals and patient-families from around the world to turn those **priorities into action**. Paths for novel research, collaboration, and advocacy will be explored. The Symposium will provide attendees with opportunities for **networking, engagement, and inspiration**.

The NEC Symposium will be an “All-In” meeting, where all stakeholders are fully integrated and empowered. [Learn more here.](#)

We have three themed tracks to cover a broad range of topics and meet the needs of our diverse stakeholders. Attendees are encouraged to attend sessions from multiple tracks.

TRACK 1: SCIENCE & RESEARCH

Discover the latest science, including the mechanisms of NEC, new tools to understand NEC, and state-of-the-art research.

TRACK 2: CLINICAL CARE & PRACTICES

Learn about new tools and resources for preventing NEC, optimizing NEC treatment and interventions, and care for long-term NEC complications.

TRACK 3: ADVOCACY & IMPROVEMENT

Explore policies to advance equity, quality care, and collaboration, as well as strategies to advocate for babies, families, and healthcare providers in your unit and community.

#NECSanDiego

Agenda

SUNDAY, AUGUST 27, 2023

4:00 - 5:30pm Welcome reception at Loews Coronado Bay Resort;
Exhibit hall open

MONDAY, AUGUST 28, 2023

7:00 - 8:45am Breakfast
Exhibit hall open

9:00 - 10:15am **Transforming Priorities into Action**
Jennifer Canvasser, MSW- NEC Society **PF**
Jae Kim, MD, PhD
Amena Mebane, JD- NEC Society **PF**

10:15 - 10:45am **Break & light refreshments**

10:45 - 12:15pm **BREAKOUT SESSIONS:**

S TRACK 1: SCIENCE & RESEARCH **Breaking down the basic mechanisms of NEC**

Hala Chaaban, MD
David Hackam, MD, PhD
Steven McElroy, MD
Erin Umberger, M.Arch- NEC Society **PF**
Moderator: Mickey Caplan, MD

C TRACK 2: CLINICAL CARE & PRACTICES **The science & power of human milk for NEC reduction**

Ifeyinwa Asiodu, RN, PhD
Lars Bode, PhD
Tarah Colaizy, MD
Kimberly Novod- Saul's Light **PF**
Moderator: Amy Hair, MD

A TRACK 3: ADVOCACY & IMPROVEMENT **Navigating NEC's life-altering complications**

Jessica Allen, PhD **PF**
Karen Brand, NP
Conrad Cole, MD, MPH, MSc
Simone Rosito **PF**
Moderator: Samir Gadepalli, MS, MD, MBA



12:15 - 1:45pm **Lunch**
Exhibit hall open

1:45 - 3:15pm **BREAKOUT SESSIONS:**

S TRACK 1: SCIENCE & RESEARCH
Podium presentations from early career investigators
Moderator: Jae Kim, MD, PhD

C TRACK 2: CLINICAL CARE & PRACTICES
The medical management of NEC
Irfan Ahmad, MD
Jenny Quinn, PhD, NNP- NEC Society
Marie Spruce- NEC UK **PF**
Toby Yanowitz, MD, MS
Moderator: Ravi Patel, MD, MSc

A TRACK 3: ADVOCACY & IMPROVEMENT
Translating NEC bedside issues into policy action
Mark Del Monte, JD- AAP
Adrienne McIntyre, MS, RNC-NIC, CNS
Kimberly Novod- Saul's Light **PF**
Shetal Shah, MD
Moderator: Susan Hintz, MD, MS Epi

3:15 - 3:45pm **Break & light refreshments**

3:45 - 5:00pm **Advancing rare research, QI, & engagement**

Scott Berns- National Institute for Children's Health Quality; Progeria Research Foundation
Patricia Burks, MA, RN- Cystic Fibrosis Foundation
Carly Paterson, PhD, RN, MPH- PCORI
Michele Walsh, MD- National Institute of Child Health & Human Development
Moderator: Camilia Martin, MD, MS

5:15 - 6:45pm **Networking & poster session, Exhibit hall open**

PF = Patient-Family affected by NEC

7:00 - 8:45am **Breakfast**
Exhibit hall open

9:00 - 10:15am **Understanding how NEC affects neurodevelopment**
Erika Claud, MD
Cristal Grogan **PF**
David Hackam, MD, PhD
Susan Hintz, MD, MS Epi
Moderator: Jörn-Hendrik Weitkamp, MD

10:15 - 10:45am **Break & light refreshments**

10:45 - 12:15pm **BREAKOUT SESSIONS:**

S TRACK 1: SCIENCE & RESEARCH
Translating mechanistic insights into novel interventions

Gail Besner, MD, FACS, FAAP
Michael Helmrath, MD
Melissa Keenan, PhD- NEC Society **PF**
Agostino Pierro, OBE, MD, FRCS, FAAP
Moderator: Mickey Caplan, MD

C TRACK 2: CLINICAL CARE & PRACTICES
Microbiome, probiotics, & the prevention of NEC

Adam Masin, JD
Michael Morowitz, MD, FACS
Ravi Patel, MD, MSc
Erin Pryor, MPH, RDN, LD- NEC Society **PF**
Moderator: Mark Underwood, MD

A TRACK 3: ADVOCACY & IMPROVEMENT
Lessons from centers working to reduce NEC

Heather Kaplan, MD, MSCE
Juan Matute, MD
Sarah Taylor, MD, MSCR
Lelis Vernon- NEC Society **PF**
Moderator: Jochen Profit, MD, MPH

12:15 - 1:45pm **Lunch**
Exhibit hall open

1:45 - 3:15pm **BREAKOUT SESSIONS:**

S TRACK 1: SCIENCE & RESEARCH
Reimagining tools to understand NEC

Misty Good, MD, MS
Necole McRae- NEC Society **PF**
Venkatesh Sampath, MBBS, MRCPCH
Karl Sylvester, MD
Moderator: Jae Kim, MD, PhD

C TRACK 2: CLINICAL CARE & PRACTICES
Optimizing surgical treatment for NEC

Martin Blakely, MD, MS
Catherine Hunter, MD, FACS, FAAP
Colin Martin, MD, FACS
Marie Spruce- NEC UK **PF**
Moderator: Gail Besner, MD, FACS, FAAP

A TRACK 3: ADVOCACY & IMPROVEMENT
Strategies to increase funding for NEC research

Patricia Burks, MA, RN- Cystic Fibrosis Fnd.
Mark Del Monte, JD- AAP
Tricia Johnson, PhD
Michele Walsh, MD- National Institute of Child Health & Human Development
Moderator: Camilia Martin, MD, MS

3:15 - 3:45pm **Break & light refreshments**

3:45 - 5:00pm **Beyond the gut: Multisystem effects of NEC**

Kaitlin L'Italien, MD
Elizabeth Rogers, MD
Keia Sanderson, MD, MSCR
Erin Umberger, M.Arch- NEC Society **PF**
Moderator: Troy Markel, MD, FACS, FAAP

5:00 - 7:00pm **Dinner & networking event at Loews Coronado Bay Resort, Marina Terrace**

additional fee of \$50

PF = Patient-Family affected by NEC

“The NEC Symposium has had an enormous impact on my practice, even beyond NEC.”
-2019 attendee

WEDNESDAY, AUGUST 30, 2023

7:00 - 8:45am **Breakfast**

Exhibit hall open

9:00 - 10:15am **Outside perspectives on NEC**

Mindy Engevik, PhD

Melissa Keenan, PhD- NEC Society **PF**

Scott Magness, PhD

Carly Paterson, PhD, RN, MPH- PCORI

Moderator: Misty Good, MD, MS

10:15 - 10:45am **Break & light refreshments**

10:45 - 11:30am **From an idea to a cure:**

Applying lessons from the

**Cystic Fibrosis Foundation to the
NEC Community**

Patricia Burks, MA, RN- Cystic Fibrosis
Foundation

11:30 - 12:30pm **Advancing the field through
advocacy**

Mark Del Monte, JD- American Academy
of Pediatrics

12:30 - 1:00pm **Actionable steps toward
a world without NEC**

Jennifer Canvasser, MSW-NEC Society **PF**

Jae Kim, MD, PhD

1:00 - 2:00pm **Lunch**

2:00pm **ADJOURN**

FROM PRIORITIES TO ACTION

The NEC Society recently led a multidisciplinary team through a two-year project to identify the most **urgent and impactful research topics** for our community. At the Symposium, we will find new avenues to turn these **priorities into action**:

NEC Patient-Centered Research Priorities

TOPIC 1: Development and use of medications or treatments to prevent NEC

TOPIC 2: Optimizing the use of human milk and lactation support for prevention of NEC

TOPIC 3: Tools, such as clinical scoring, biomarkers, or imaging for diagnosis of NEC

TOPIC 4: Acute medical treatment and management of NEC

TOPIC 5: Patient-family engagement, empowerment, and integration into the NICU care-team

TOPIC 6: Long-term gastrointestinal outcomes, including short bowel and other non-neurodevelopmental health outcomes

TOPIC 7: Quality Improvement for NEC

TOPIC 8: Identifying practices that increase NEC risk

TOPIC 9: Long-term non-GI outcomes and fertility

TOPIC 10: Communication amongst the healthcare team and patient-families

TOPIC 11: Proactive approaches to support patient-families with follow-up care and decisions

TOPIC 12: Chronic treatment and recovery of NEC, including subsequent surgeries, intestinal rehabilitation and transplant

TOPIC 13: Educational approaches on NEC for patients and providers

TOPIC 14: Impact of nutritional composition and approaches (enteral and parenteral) on occurrence of NEC

TOPIC 15: Optimizing informed choice and shared-decision making, including ethical issues, in NEC

TOPIC 16: Fortification of human milk

TOPIC 17: Initial surgical treatment of NEC

TOPIC 18: Acute and long-term mental health of patient-families impacted by NEC

TOPIC 19: Financial and social-emotional burdens of NEC for patient-families, healthcare providers, hospitals and society

TOPIC 20: Disparities in NEC incidence and outcomes and inequity in decision-making and access to care and services

More information about the NEC
Research Priorities is available [here](#).

FACULTY

COURSE CHAIRS

Jennifer Canvasser, MSW PF
Founder & Executive Director, NEC Society

Jae Kim, MD, PhD
Professor of Pediatrics
Director, Division of Neonatology, Perinatal
Institute
Cincinnati Children's Hospital Medical
Center

Erin Umberger, M.Arch PF
Director, NEC Society

PLANNING COMMITTEE

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Chief, Department of Pediatric Surgery
Nationwide Children's Hospital

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Chief Scientific Officer, Research Institute
Clinical Professor of Pediatrics, University of
Chicago, Pritzker School of Medicine

Hala Chaaban, MD
Associate Professor of Pediatrics
Director of Clinical and Translational
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Section of Neonatal-Perinatal Medicine
Adjunct Associate Professor of Nutritional
Sciences
The University of Oklahoma Health Sciences
Center at OU Health

Sarah DeLaat, CMP, CTA
Conference & Meeting Planner
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Associate Program Director, Pediatric
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Associate Professor of Pediatrics
University of North Carolina at Chapel Hill

Amy Hair, MD
Associate Professor
Program Director of Neonatal Nutrition
Co-Director of NICU Intestinal Rehabilitation
Team
Director of MCH Neonatal Nutrition Training
Program
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Pediatrics – Neonatal and Developmental
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Stanford Medicine Children's Health

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Associate Professor, Department of Surgery
Department of Anatomy, Cell Biology, and
Physiology
Director of General Surgery Resident
Research
Director of Pediatric Surgical Research
Riley Hospital for Children
Indiana University Health

Camilia R. Martin, MD, MS
Chief of Newborn Medicine
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Cornell Medicine and NewYork-Presbyterian
Komansky Children's Hospital

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Neonatal-Perinatal Medicine
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Chief, Division of Neonatology; Research
Director for Neonatology
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Emory University School of Medicine

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Director, Neonatal Health Systems Research
Perinatal Epidemiology and Health
Outcomes Research Unit
Stanford University, School of Medicine

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Advanced Health Practitioner, Neonatology,
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Mark Underwood, MD
Professor Emeritus, Pediatrics
UC Davis School of Medicine

PF = Patient-Family affected by NEC

FACULTY

Irfan Ahmad, MD

Professor of Clinical Pediatrics
Medical Director, Surgical NICU
CHOC Children's Hospital, Orange, CA

Jessica Allen, PhD **PF**

Associate Professor of Psychology
Birmingham-Southern College

Ifeyinwa Asiodu, RN, PhD

Associate Professor, Family Health Care
Nursing, University of California, San
Francisco

Scott Berns

President and CEO, National Institute for
Children's Health Quality
Board Chair, The Progeria Research
Foundation

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Professor, Pediatric Surgery and Pediatrics
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Lars Bode, PhD

Professor of Pediatrics
Endowed Chair of Collaborative Human
Milk Research
Director, Mother-Milk-Infant Center of
Research Excellence (MOMI CORE)
Director, Human Milk Institute (HMI)
University of California, San Diego (UCSD)

Karen Brand, NP

Pediatric Palliative Care, UC Davis Medical
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Patricia Burks, MA, RN

Clinical Trial Affairs Sr. Director, Cystic
Fibrosis Foundation

Erika Claud, MD

Professor in the Department of
Pediatrics, Section of Neonatology, and
the Department of Medicine, Section of
Gastroenterology, The University of Chicago

Tarah Colaizy, MD

Professor of Pediatrics, Neonatology,
University of Iowa, Carver College of
Medicine
Director, Mother's Milk Bank of Iowa

Conrad Cole, MD, MPH, MSc

Medical Director, Division of
Gastroenterology, Hepatology and Nutrition
Medical Director, Intestinal Rehabilitation
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Professor, UC Department of Pediatrics

Mark Del Monte, JD

CEO/Executive Vice President of the
American Academy of Pediatrics

Mindy Engevik, PhD

Assistant Professor, Regenerative Medicine
& Cell Biology, Medical University of South
Carolina

Cristal Grogan, BS **PF**

Associate, Global Marketing at Prolacta
Bioscience

David Hackam, MD, PhD

Garrett Family Professor of Pediatric
Surgery at The Johns Hopkins University,
and Pediatric Surgeon-in-Chief and co-
Director of the Johns Hopkins Children's
Center

Michael Helmrath, MD

Director of Clinical Translation, Center for
Stem Cell & Organoid Medicine (CuSTOM),
Director of Surgical Research
Director, Center for Bariatric Research and
Innovation
Pediatric Surgeon
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Attending Neonatologist, Neonatology and
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Melissa Keenan, PhD **PF**

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Dept. of Cell & Molecular Physiology
Director, CGIBD Advanced Analytics Core
School of Medicine
The University of North Carolina at Chapel
Hill

Colin Martin, MD, FACS

Division of Pediatric Surgery
Surgical Director, UAB/Children's of
Alabama Center for Advanced Intestinal
Rehabilitation
Co-Director, Pre-College Research
Internship for Students from Minority
Backgrounds (PRISM)
Vice Chair of Diversity, Equity and Inclusion
The University of Alabama at Birmingham

Adam Masin, JD

Partner, Drinker Biddle & Reath LLP
NEC Society, Board of Directors

Juan Matute, MD

Neonatologist, Massachusetts General
Hospital

Adrienne Mcintyre, MS, RNC-NIC, CNS

Kaiser Permanente Northern California

PF = Patient-Family affected by NEC

Necole McRae PF

NEC Society, Patient-Family Advisory Council

Amena Mebane, JD PF

NEC Society, Board of Directors

Michael Morowitz, MD, FACS

Professor of Surgery, University of Pittsburgh

Tetyana Nesterenko, MD

Neonatologist, Cleveland Clinic

Kimberly Novod PF

CoFounder, Saul's Light

Carly Paterson, PhD, RN, MPH

Patient-Centered Outcomes Research Institute

Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP

Head of General and Thoracic Surgery at the Hospital for Sick Children, Robert M. Filler Chair, Professor of Surgery at the University of Toronto, and Senior Investigator at The Research Institute, Toronto, Canada

Elizabeth Rogers, MD

Associate Professor, University of California San Francisco
Co-director of the Intensive Care Nursery Follow-Up Program, Benioff Children's Hospital

Simone Rosito PF

CEO & Founder, PGG (Brazil)

Venkatesh Sampath, MBBS, MRCPCH

Sosland Chair in Neonatology Research; Medical Director, Donald Thibeault Lung & Immunology Laboratories
Professor of Pediatrics, University of Missouri-Kansas City School of Medicine; Research Associate Professor of Pediatrics, University of Kansas School of Medicine

Keia Sanderson, MD, MSCR

Assistant Professor of Medicine, UNC School of Medicine
Director of Pediatric Dialysis

Shetal Shah, MD

Professor of Pediatrics in the Division of Neonatology at New York Medical College

Marie Spruce PF

Chairperson, NEC UK
NEC Society, Patient-Family Advisory Council
Paediatric nurse

Karl Sylvester, MD

Professor, Pediatric Surgery, Stanford University

Sarah Taylor, MD, MSCR

Professor, Pediatrics
Chief, Neonatal-Perinatal Medicine
Director, Neonatal Clinical Research
Yale University School of Medicine

Michele Walsh, MD

Program Officer, NICHD

Jörn-Hendrik Weitkamp, MD

Director of Patient Oriented Research
Associate Professor of Pediatrics
Vanderbilt Institute for Infection, Immunology and Inflammation

Lelis Vernon PF

NEC Society, Patient-Family Advisory Council
Advisory Board Member - Dep. of Perinatal and Neonatal Medicine Research Lab - Stanford University
Faculty Family Leader - Transitions in Middle Phases of Care - Vermont Oxford Network
Clinical Guidelines Committee - American College of Physicians

Toby Yanowitz, MD, MS

Director, Clinical Research
Associate Professor of Pediatrics and Clinical and Translational Science
Associate Investigator, Magee-Womens Research Institute and Foundation
Director, UPMC Newborn Medicine Database
Analytics Director, Neonatal Neuro-Intensive Care Unit, UPMC Newborn Medicine Program
University of Pittsburgh

PF = Patient-Family affected by NEC





LOCATION:

The 2023 NEC Symposium will be held at Loews Coronado Bay Resort, just steps from the beach in beautiful San Diego, CA.

LODGING:

Rooms at Loews Coronado Bay Resort have been blocked at a reduced rate for Symposium attendees; rooms can be booked through the registration webpage. Please reserve early, as rooms are limited.

ATTIRE: Business casual.

ACCREDITATION:

In support of improving patient care, Cincinnati Children’s Hospital Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Specific accreditation information will be provided for each activity.

Cincinnati Children’s designates this live activity for a maximum of 14.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity is approved for 14.5 continuing nursing education (CNE) contact hours.

This activity was planned by and for the healthcare team, and learners will receive 14.5 Interprofessional Continuing Education (IPCE) credits for learning and change.



REGISTRATION:

Registration fee includes welcome reception, breakfasts, refreshment breaks, and lunches.

Tickets for the networking dinner on Tuesday, August 29 are available for an additional fee of \$50.

EVENT REGISTRATION:

	Before 6/1	After 6/1
PHYSICIAN	\$625	\$825
NON-PHYSICIAN PROFESSIONAL	\$350	\$425

CANCELLATIONS:

Cancellations received prior to June 27, 2023 are fully refundable. Cancellations received between June 28-July 27, 2023 will receive a 50% refund. Cancellations received after July 27, 2023 are not refundable. All refund requests must be made by email to cme@cchmc.org.

For more information, including inquiries from patient-families, please contact Jennifer Canvasser: Jennifer@NECsociety.org

#NECSanDiego

REGISTER NOW