

Agenda

MONDAY, MAY 20, 2024



The 3rd Annual Nemours Children's Health Research Week is a hybrid event. We encourage you to join us in-person and welcome all to view the live stream!

In-Person Attendance - Presentations will be held in the 1st Floor Auditorium at Nemours Children's Hospital, Florida. Posters will be on display at all 3 sites.

**Please note that the welcome and plenary sessions will be pre-recorded.*

Virtual Attendance - All presentations will be streamed across the enterprise via Microsoft Teams. [Please register to access links to live stream.](#)

WELCOME

8:30 a.m. Welcome Message*
R. Lawrence Moss, MD, FACS, FAAP

PLENARY

8:40 a.m. Celebrating Accomplishments, and Growing Towards More: Research at Nemours Children's Health, Current & Future*
Matthew M. Davis, MD, MAPP

9:25 a.m. Break

SYMPOSIA

Advances in Advocacy and Community-Engaged Research

9:45 a.m. The Ginsburg Institute for Health Equity – Research Opportunities
Nancy Molello, MSB

10:10 a.m. Instituting Social Programs and Evaluating Their Effectiveness Through Research
Laura Chilcutt, MD, JD, FAAP

10:35 a.m. Navigating Community Based Research When Fear is a Factor: Observations from the VIBES Study
Lonna P. Gordon, MD, PharmD, FAAP

11:00 a.m. Steps in Change and the Florida CMV Collaborative
Cedric V. Pritchett, MD, MPH

11:25 a.m. Symposia Q & A

11:45 a.m. Break

ORAL ABSTRACTS

12:30 p.m. LPS Exposure Stimulates IL-39 Expression in IEC18 Cells and Impacts Barrier Integrity
Katrina Russell

12:45 p.m. The Utility of Synthetic MRI in Evaluation of Pediatric CNS Tumors
Rebecca Li

1:00 p.m. A Comparison of Point-of-Care and Laboratory Electrolyte and Glucose Concentrations in Two Children's Hospital Emergency Departments
Kelsey Clabby, BS

1:15 p.m. Association Between CRPS and Hypermobility in Pediatric Patients
Kiana Guerrazzi

1:30 p.m. Identification of Soft Palate Dysfunction in Patients with Microtia through a Proposed Speech and Resonance Screening Algorithm
Kiana Hashemi, BS

1:45 p.m. Custom Blades for Cartilaginous Augmentation of the Facial Skeleton: An Alternative to Alloplastic Implants
Saumya Kapoor, BS

2:00 p.m. Break

POSTER SESSION

2:15 p.m. Poster Session (In-Person Only)

- NCHFL - Auditorium Lobby
- NCHDE - 3rd Floor Classrooms
- NCHJAX - 10th Floor Auditorium*

**Posters at NCHJAX will be on display only. Authors will not be on site.*

3:45 p.m. Adjourn



For more details, register at ce.nemours.org or scan the QR code.



Agenda

TUESDAY, MAY 21, 2024



The 3rd Annual Nemours Children's Health Research Week is a hybrid event. We encourage you to join us in-person and welcome all to view the live stream!

In-Person Attendance - Presentations will be held in the 10th Floor Auditorium at Nemours Children's Health, Jacksonville. Posters will be on display at all 3 sites.

Virtual Attendance - All presentations will be streamed across the enterprise via Microsoft Teams. [Please register to access links to live stream.](#)

PLENARY

8:30 a.m. Trauma in Children and Adolescents: Improving Outcomes and Breaking Disparities

Lori A. Gurien, MD, MPH, FACS

9:30 a.m. Break

SYMPOSIA

Advances in Pharmacologic, Immunologic, Genetic and Self-Management Therapies in Children

9:45 a.m. CRISPR Gene Editing: The Model of Sickle Cell Disease

Anderson Collier, MD

10:10 a.m. Understanding Differential Drug Effects in Pediatrics: Advancing Pharmacogenomics

Edward B. Mougey, PhD

10:35 a.m. Advancements in Neuroscience: Enzymes, Biologics and Gene Therapy

Loren A. McLendon, MD

11:00 a.m. Personalized Self-Management in Respiratory Disorders in Children: A Technology-Based Approach

David Fedele, PhD

11:25 a.m. Symposia Q & A

11:45 a.m. Break

ORAL ABSTRACTS

12:30 p.m. Implementing Point-of-Care Urine Microalbumin Testing in an Outpatient Pediatric Diabetes Clinic: A Quality Improvement Project

Monica Mortensen, DO

12:45 p.m. Creating an Innovative Screen-to-Treat Program for Diabetes Distress (DD) in Families of School-Age Children with Type 1 Diabetes

Amy Milkes

1:00 p.m. Creating a Standardized Simulation Curriculum to Improve Resident Performance

Lisa Awe, MD

1:15p.m. mHealth Intervention Promotes Boluses in Teens with Type 1 Diabetes

Kristen Morga, MSBI, LSSGB

1:30 p.m. Efficacy And Safety of Interventions for the Treatment of Functional Abdominal Pain Disorders in Children: A Systematic Review and Network Meta-Analysis

Edward B. Mougey, PhD

1:45 p.m. Nonbinary Adolescents: Steps of Transition and Interest in Gender-Affirming Medical Care

Lisa Buckloh, PhD

2:00 p.m. Break

POSTER SESSION

2:15 p.m. Poster Session (In-Person Only)

- NCHJAX - 10th Floor Auditorium
- NCHFL - Auditorium Lobby
- NCHDE - 1st Floor Atrium

3:45 p.m. Adjourn



Agenda

WEDNESDAY, MAY 22, 2024



The 3rd Annual Nemours Children's Health Research Week is a hybrid event. We encourage you to join us in-person and welcome all to view the live stream!

In-Person Attendance - Presentations will be held in the 3rd Floor Lecture Hall at Nemours Children's Hospital, Delaware. Posters will be on display at all 3 sites.

Virtual Attendance - All presentations will be streamed across the enterprise via Microsoft Teams. [Please register to access links to live stream.](#)

PLENARY AT PEDIATRIC GRAND ROUNDS

8:00 a.m. **The Use of Liquid Assisted Ventilation for Acute Respiratory Failure: Then and Now**
Thomas H. Shaffer, MSE, PhD and David Blauvelt, MD

9:00 a.m. **Break**

SYMPOSIA

Advances in Systemic Pediatric Illnesses

9:15 a.m. **Sickle Cell Emergency Department Pain Treatment: Implications and Implementation**
David Brousseau, MD, MS

9:45 a.m. **Using Novel Sub-Phenotypes to 'Divide and Conquer' Pediatric Sepsis**
Scott Weiss, MD, MSCE

10:15 a.m. **Acute Kidney Injury in Newborns Following Cardiac Surgery**
Aliz Mirza Onder, MD

10:45 a.m. **Non-Invasive Measurement of Pulmonary Dysfunction in Cerebral Palsy**
Tariq Rahman, PhD and M. Wade Shrader, MD

11:15 a.m. **Break**

ORAL ABSTRACTS

12:00 p.m. **Taking Shared Decision Making from Concept to Clinical Practice: What Do Sickle Cell Healthcare Providers Need?**
Aimee K. Hildenbrand, PhD

ORAL ABSTRACTS (CONTINUED)

12:15 p.m. **Isoform-specific Functions of Na,K-ATPase β Subunits in Granular Cell Differentiation And Cerebellar Development**
Mikail Rasheed

12:30 p.m. **The Value of Another Centimeter: Assessing the Impact of Magnetically Controlled Growing Rod Replacement in Thoracic Height Gain and Scoliosis Correction**
Brett Shannon, MD

12:45 p.m. **Novel Identification and Diagnosis of Cerebral Palsy through Machine Learning of Epigenetic Patterning**
Jonathan Hicks, BS

1:00 p.m. **Rational Design, Synthesis, and Characterization of Highly Specific PET Imaging Probes Targeting Vascular Endothelial Growth Factor Receptor-3 in the Brain Lymphatic System**
Wenqi Xu, PhD

1:15 p.m. **Development of Peptide-Based Imaging Agents Targeting Vascular Endothelial Growth Factor Receptor-3 in Milroy Disease**
Xuyi Yue, PhD

1:30 p.m. **Break**

POSTER SESSION

1:45 p.m. **Poster Session (In-Person Only)**

- NCHDE - 1st Floor Atrium
- NCHFL - Auditorium Lobby
- NCHJAX - 10th Floor Auditorium*

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3:15 p.m. **Adjourn**



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