

2024 MPRINT Annual Conference

May 20-22, 2024 | Bethesda, MD



Speakers & Panelists



Cultivating Collaboration, Growing Connections



12 pm **LUNCH (White Oak)***Monday Buffet*

Artisan Rolls, Sweet Butter ◦ Corn Chowder ◦ Couscous Salad, Cucumber, Olives, Artichokes, Red Onion, Basil, Olive Oil (V) ◦ Farmer's Salad, Heirloom Carrots, Radishes, Grape Tomatoes, Almonds, Balsamic Vinaigrette (V, GF) ◦ Old Bay Roasted Chicken, Shallot Jus (GF) ◦ Atlantic Salmon, Spinach, Pommery Sauce (GF) ◦ Cheese Ravioli, Tomato, Mushrooms, Peas, Parmesan (V) ◦ Herbed New Potatoes (V) ◦ Roasted Carrots, Pearl Onions, Parsley (V) ◦ Chocolate Brownies, French Macarons (GF)

12:50 pm *Transition to Salon A-C*1 pm **Knowledge gap from MPRINT Knowledge base on drug safety study: what we learned from opioid pharmacy-epidemiology studies****Lang Li, PhD***Professor and Chair*

The Ohio State University

1:10 pm **Assessments of teratogenic risk in real-world data****Almut G Winterstein, PharmD, PhD, FISPE***Distinguished Professor in Pharmacoepidemiology and Epidemiology**Dr. Robert and Barbara Crisafi Chair in Medication Safety**Director, Center for Drug Evaluation and Safety**Director, Consortium for Medical Marijuana Clinical Outcomes Research*

University of Florida

1:35 pm **Real World Evidence for maternal and pediatric Therapeutics: NCATS****Ken Gersing, MD***Director of Informatics at NIH/NCATS/DCI*2:00 pm **Q & A**Moderator:**Lang Li, PhD***Professor and Chair*

The Ohio State University

2:15 pm **BREAK**2:30 pm **Real World Evidence for maternal and pediatric therapeutics: Reactor Panel**Moderator:**Shaun Grannis, MD, MS, FAAFP, FACMI, FAMIA***Vice President, Data and Analytics; Research Scientist, Regenstrief Center for Biomedical Informatics**Professor of Family Medicine, Indiana University School of Medicine*Panelists:**Christopher W. Bartlett, PhD, MHA***Associate Chief Data Sciences Officer for Biomedical Informatics, Nationwide Children's Hospital**Professor of Pediatrics, The Ohio State University*

Eneida Mendonca, MD, PhD, FAAP, FACMI, FIAHSI

Rieveschl Chair of Biomedical Informatics and Director of the Division of Biomedical Informatics at Cincinnati Children's Medical Hospital

Professor of Pediatrics and Biomedical Informatics at the University of Cincinnati.

Co-director of the Biomedical Informatics Core for the Center for Clinical & Translational Science & Training, a collaborative alliance between the University of Cincinnati College of Medicine, UC Health, CCHMC, and community partners

Colin Rogerson, MD, MPH

Assistant Professor of Pediatrics

Indiana University School of Medicine

Regenstrief Center for Biomedical Informatics

Wei-Qi Wei, MD, PhD, FAMIA

Associate Professor of Biomedical Informatics

Associate Professor of Computer Science (Secondary)

Scientific Director for Phenotyping Core

Vanderbilt University Medical Center

3:10 pm **BREAK (Foyer A-C)**

North Bethesda Break

Apples, Bananas (V) ◦ Fresh Fruit Cup, Berries, Pomegranate Syrup (V, GF) ◦ Gluten-Free Kind Bars ◦ Lara Bars (V, GF, Nut Free)

3:30 pm **NICHD Data Sharing and DASH**

David M. Haas, M.D., M.S.

Munsick Professor of Obstetrics and Gynecology and the Vice-Chair for Research

Indiana University School of Medicine in Indianapolis

Rebecca F. Rosen, PhD

Director, Office of Data Science and Sharing

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institutes of Health

Elizabeth Payne, PhD

Biostatistician Manager

The Emmes Company, LLC

Anna Palatnik, MD

Patrick J. and Margaret G. McMahon Endowed Chair

Associate Professor

Medical College of Wisconsin

4:30 pm **BREAK**

4:45 pm **Prediction of teratogenicity and drug toxicity utilizing preclinical and 'omics data**

Lang Li, PhD

Professor and Chair

The Ohio State University

Lauren Aleksunes, PharmD, PhD, DABT

Professor

Rutgers University

Gilbert J. Burckart, PharmD

Associate Director for Pediatrics

Center for Drug Evaluation and Research

Office of Translational Sciences

Office of Clinical Pharmacology

U.S. Food and Drug Administration

Lynne Yao, MD

Director, Division of Pediatric and Maternal Health

Office of New Drugs, Center for Drug Evaluation and Research

U.S. Food and Drug Administration

5:45 pm **CLOSING**

Sara Quinney, PharmD, PhD

Director, Disease and Therapeutic Response Modeling Program

PI, MPRINT DMKRCC

Professor, Indiana University School of Medicine

7am **Breakfast Buffet (Foyer A-C)**

Bethesda North Breakfast Buffet

Diced Tropical Fruits, Drag Fruit, Melons, Starfruit, Mango (Vegan) ◦ Cage Free Scrambled Eggs, Cheddar Cheese ◦ Honey Glazed Smoked Ham (GF) ◦ Turkey Sausage (GF) ◦ Sweet Potato Hash, Peppers, Onions (Vegan, GF) ◦ Country Style Grits (GF) ◦ Chocolate Croissants, Scones, Cinnamon Buns Local Honey, Preserves, Sweet Butter

7:45 am **Welcome**

Aaron C. Pawlyk, PhD

Chief, OPPTB, DER

Eunice Kennedy Shriver National Institute of Child Health and Human Development

8 am **An update on PRGLAC Implementation status**

Sue Abdul-Rahman, PharmD

Chief Science Officer

Health Data Synthesis Institute

Sara Quinney, PharmD, PhD

Director, Disease and Therapeutic Response Modeling Program

PI, MPRINT DMKRCC

Professor, Indiana University School of Medicine

Christina Chambers, PhD, MPH | Moderator

Distinguished Professor, Department of Pediatrics

Chief, Division of Environmental Science and Health

Co-Director, Center for Better Beginnings

Associate Director, Altman Clinical & Translational Research Institute

UC San Diego

Erin Cleary, MD, FACOG

Assistant Professor of OBGYN, Division of MFM

Indiana University School of Medicine

Tamorah Lewis, MD, PhD

Physician Scientist

Division Head

Clinical Pharmacology and Toxicology at SickKids

9:00 am **BREAK**

Photo Opportunity

MPRINT (DMKRCC, CET'S, NIH Officers)

9:30 am **Human Milk at the Intersection of Maternal and Pediatric Therapeutics**

Christina Chambers, PhD, MPH | Moderator

Distinguished Professor, Department of Pediatrics

Chief, Division of Environmental Science and Health

Co-Director, Center for Better Beginnings

Associate Director, Altman Clinical & Translational Research Institute

UC San Diego

Regulatory Issues in Human Lactation Studies

Lynne Yao, MD

Director, Division of Pediatric and Maternal Health

Office of New Drugs, Center for Drug Evaluation and Research

U.S. Food and Drug Administration

Bridging the Gap in Understanding Safety of Off-Patent Medications in Lactation: the Cuddle Study

Rachel Greenberg, MD, MB, MHS

Duke Clinical Research Institute

Pediatric Trials Network

Duke University

Intersection of Maternal Therapeutics and Human Milk Metabolome

Shirley M. Tsunoda, PharmD, FCCP

Professor of Clinical Pharmacy

Associate Dean for Pharmacy Education

Skaggs School of Pharmacy and Pharmaceutical Sciences

UC San Diego

Human Milk Transfer and Infant Exposure to Sertraline

Elizabeth Thompson, MD

Pediatric Cardiology / Critical Care Fellow

Duke University School of Medicine

11:00 am **BREAK**

11:15 am **Augmenting MPRINT Hub Knowledgebase synergies with the Common Fund Data Ecosystem**

Bernard de Bono, MD, PhD

A/Prof (Adjunct) Auckland Bioengineering Institute (University of Auckland, New Zealand)

CEO, Whitby et al LLC, Indianapolis, IN

12:00 pm **LUNCH (White Oak)**

Montgomery County Buffet

Artisan Bread, Sweet Butter ◦ Lobster Bisque ◦ Baby Greens Salad, Shaved Carrots, Charred Corn,

Tomato, Feta, Sweet Onion Dressing (V, GF) ◦ Shrimp and Sausage Pasta, Petite Shrimp, Andouille

Sausage, Cajun Cream Sauce ◦ Maryland Fried Chicken, Mumbo Sauce ◦ Roasted Sirloin, Garlic Butter

(GF) ◦ Old Bay New Potatoes (V, GF) ◦ Grilled Asparagus, Chives (V, GF) ◦ Mini Cheesecake, Berry, Mocha,

Chocolate

12:50 pm **Transition to Salon A-C**

1 pm **Exchange of knowledge between MPRINT and our network partners: *Network Model***

Robert Tamburro, MD, MSc

Senior Advisor for Clinical Research

Eunice Kennedy Shriver National Institute of Child Health and Human Development

1:30 pm **Exchange of knowledge between MPRINT and our network partners**

Presentations:

1:30-1:50: UCSD Vision & Panel Assessment

Christina Chambers, PhD, MPH

Distinguished Professor, Department of Pediatrics

Chief, Division of Environmental Science and Health

Co-Director, Center for Better Beginnings

Associate Director, Altman Clinical & Translational Research Institute

UC San Diego

1:50-2:10: VICE Vision & Panel Assessment

Digna R. Velez Edwards, PhD, MS

Division Director, Quantitative Services

Director, Women's Health Research

Professor, Obstetrics and Gynecology

Vanderbilt University Medical Center

2:10-2:30: DMKRCC Vision & Panel Assessment

Emily Kinney, PhD

Scientific Writer, DMKRCC

Indiana University School of Medicine

Host:

Robert Bies, Pharm.D., PhD

Professor

Department of Pharmaceutical Sciences

University at Buffalo

Panelists:

Nahida Chakhtoura, MD

Branch Chief

Pregnancy and Perinatology Branch (PPB)

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Maged Costantine, MD

Professor, Division Director Maternal Fetal Medicine

The Ohio State University

Rachel Greenberg, MD, MB, MHS

Duke Clinical Research Institute

Pediatric Trials Network

Duke University

Prince J. Kannankeril, MD, MSCI

Richard B. Johnston Jr. MD Endowed Chair in Pediatric Research

Vanderbilt University Medical Center

Elimika Pfuma Fletcher, PharmD, PhD

Clinical Pharmacology Policy Lead
U.S. Food and Drug Administration

Sharon Nachman, MD

Chief of Division of Pediatric Infectious Diseases
Director of Office of Clinical Trials
Distinguished Professor of Pediatrics
Renaissance School of Medicine
Stony Brook University

Sara Quinney, PharmD, PhD

Director, Disease and Therapeutic Response Modeling Program
PI, MPRINT DMKRCC
Professor, Indiana University School of Medicine

Zhaoxia Ren, MD, PhD

Senior Program Officer
Obstetric and Pediatric Pharmacology and Therapeutics Branch (OPPTB), NICHD

Adriana Tremoulet, MD, MAS, FAHA, FIDSA

Professor of Pediatrics
Associate Director, Kawasaki Disease Research Center
Assistant Vice Chancellor for Health Sciences Faculty Affairs
University of California, San Diego
Rady Children's Hospital, San Diego

2:30 pm **BREAK (Foyer A-C)**

Munchies

Assorted Cookies ◦ Individual Bags of Popcorn (V) ◦ Assorted Kettle Chips (V) ◦ Individual Bags of Pretzels (V) ◦ Individual Bags of Trail Mix (V)

2:45 pm **Exchange of knowledge between MPRINT and our network partners (continued)**

4 pm **Using AI in Writing and Publication**

Host:

Emily Kinney, PhD

Scientific Writer, DMKRCC
Indiana University School of Medicine

Panelists:

Serge Cremers, PharmD, PhD, FBPhS

Professor of Pathology & Cell Biology and Medicine
Director of Clinical Pharmacology and Toxicology Laboratory
Department of Pathology and Cell Biology
Co-Director Translational Therapeutics Accelerator (TRx)
Irving Institute for Clinical and Translational Research
Columbia University Irving Medical Center

Lindsey M. Kirkpatrick, DO, PhD

Assistant Professor of Clinical Pediatrics
Indiana University School of Medicine

Rebekah Rasooly, PhD

Director, Division of Extramural Activities

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Michael Rieder, MD

Scientist

CIHR-GSK Chair in Pediatric Clinical Pharmacology

Department of Pediatrics, Physiology & Pharmacology and Medicine

Schulich Medicine & Dentistry

5:30 pm **CLOSING**

Adriana Tremoulet, MD, MAS, FAHA, FIDSA

Professor of Pediatrics

Associate Director, Kawasaki Disease Research Center

Assistant Vice Chancellor for Health Sciences Faculty Affairs

University of California, San Diego

Rady Children's Hospital, San Diego

Visual Communication Poster Challenge with Dinner & Drinks (White Oak)

Visual Communication Poster Challenge

The challenge is to present research in an infographic or visual abstract format that can be readily shared online. The goal is to support a wider dissemination of therapeutics research and in doing so, increase the impact of that research on medical practice. If permission was granted entries will be used in MPRINT's outreach efforts.

Dinner & Drinks

The Wharf Dinner Buffet

Artisan Bread Assortment, Sweet Butter ◦ Baby Arugula Salad, Heirloom Carrots, Golden Raisins, Goat Cheese, Pickled Onion, Candied Pecans, Dijon Dressing ◦ Classic Caesar Salad, Romaine, Radicchio, Garlic Croutons, Shaved Parmesan ◦ Shrimp Scampi, Penne, Summer Squash, Grape Tomato, White Wine Sauce ◦ Pan Seared Striped Bass, Lemon Caper Sauce (GF) ◦ Roasted Chicken Thighs, Salsa Verde (GF) ◦ Beef Tenderloin Medallions, Roasted Mushrooms, Red Wine Sauce (GF) ◦ Chef Crafted Seasonal Vegetables (GF) ◦ Parsley Marble Potatoes, Butter Sauce (GF) ◦ Assorted Artisan Mini Desserts
*Gluten-free options will be available

7 am **Breakfast Buffet (Foyer A-C)**

Bethesda North Breakfast Buffet

Diced Tropical Fruits, Drag Fruit, Melons, Starfruit, Mango (Vegan) ◦ Cage Free Scrambled Eggs, Cheddar Cheese ◦ Honey Glazed Smoked Ham (GF) ◦ Turkey Sausage (GF) ◦ Sweet Potato Hash, Peppers, Onions (Vegan, GF) ◦ Country Style Grits (GF) ◦ Chocolate Croissants, Scones, Cinnamon Buns Local Honey, Preserves, Sweet Butter

7:45 am **Welcome**

Lesly Samedy Bates, PharmD, PhD, MS

Program Officer

Obstetric and Pediatric Pharmacology and Therapeutics Branch

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institutes of Health

8:00 am **The MPRINT Hub Knowledgebase**

Lang Li, PhD

Professor and Chair

The Ohio State University

8:30 am **Developing Extracellular Vesicle-Based MPRINT Translational Resource Platform for Monitoring Therapeutics Response During Pregnancy**

Maged Costantine, MD

Professor, Division Director Maternal Fetal Medicine

The Ohio State University

9:00 am **BREAK**

9:15 am **Pediatric Phecodes for Electronic Health Records Phenotyping**

Monika Grabowska, B.S.

MD/PhD Candidate

Vanderbilt University School of Medicine

9:25 am **Large Language Models Facilitate the Generation of Electronic Health Record Phenotyping Algorithms**

Wei-Qi Wei, MD, PhD, FAMIA

Associate Professor of Biomedical Informatics

Associate Professor of Computer Science (Secondary)

Scientific Director for Phenotyping Core

Vanderbilt University Medical Center

9:45 am **UC San Diego CET: Optimization of Antibiotics in Mothers and their Breastfed Infants Using Pharmacomicrobiomic and Metabolomic Analyses**

Adriana Tremoulet, MD, MAS, FAHA, FIDSA

Professor of Pediatrics

Associate Director, Kawasaki Disease Research Center

Assistant Vice Chancellor for Health Sciences Faculty Affairs

University of California, San Diego

Rady Children's Hospital, San Diego

Christina Chambers, PhD, MPH

*Distinguished Professor, Department of Pediatrics
Chief, Division of Environmental Science and Health
Co-Director, Center for Better Beginnings
Associate Director, Altman Clinical & Translational Research Institute
UC San Diego*

Shirley M. Tsunoda, PharmD, FCCP

*Professor of Clinical Pharmacy
Associate Dean for Pharmacy Education
Skaggs School of Pharmacy and Pharmaceutical Sciences
UC San Diego*

George Liu, MD, PhD

*Chief and Professor,
Pediatric Infectious Diseases
UC San Diego*

10:15 am **BREAK**

10:45 am **Training the next generation of maternal-pediatric clinical pharmacologists**

10:45am-11:05am: NICHD Supporting Training

Lesly Samedy Bates, PharmD, PhD, MS

*Program Officer
Obstetric and Pediatric Pharmacology and Therapeutics Branch
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institutes of Health*

11:05am-11:30am: VICE-MPRINT Academy

Prince J. Kannankeril, MD, MSCI

*Richard B. Johnston Jr. MD Endowed Chair in Pediatric Research
Vanderbilt University Medical Center*

Digna R. Velez Edwards, PhD, MS

*Division Director, Quantitative Services
Director, Women's Health Research
Professor, Obstetrics and Gynecology
Vanderbilt University Medical Center*

11:30am-11:50: NICHD Supporting Training

Sara Quinney, PharmD, PhD

*Director, Disease and Therapeutic Response Modeling Program
PI, MPRINT DMKRCC
Professor, Indiana University School of Medicine*

11:50am-12:30: Panel & Discussion

Panelists:

The above-listed speakers and...

Adriana Tremoulet, MD, MAS, FAHA, FIDSA

*Professor of Pediatrics
Associate Director, Kawasaki Disease Research Center
Assistant Vice Chancellor for Health Sciences Faculty Affairs*

University of California, San Diego
Rady Children's Hospital, San Diego

Rupsa Boelig, MD, MS
Assistant Professor, Maternal-Fetal Medicine
Thomas Jefferson University

Laura Ramsey, PhD
Section Chief of Individualized Therapeutics
Children's Mercy

Aviva Jaari Whelan, MD
Pediatric Critical Care Fellow
Primary Children's Hospital - University of Utah

12:30 pm **CLOSING**

Prince J. Kannankeril, MD, MSCI
Richard B. Johnston Jr. MD Endowed Chair in Pediatric Research
Vanderbilt University Medical Center

1 - 5 pm **CLOSED SESSIONS**
(invitation only, separate agenda will be provided)