



# mprint

## 2026 ANNUAL MEETING

*From  
Potential  
to  
Practice*



APRIL  
**13 - 17**  
INDIANAPOLIS



In Conjunction with  
**The Indiana CTSP  
Pharmacometrics  
Modeling &  
Simulation Program**

[www.mprint.org](http://www.mprint.org)

Hine Hall  
875 W North St, Indianapolis, IN 46202

All times are listed in U.S. Eastern Time (UTC-4) | 1

# Monday, April 13, 2026

- 8:30 AM**      **Welcome**
- 8:45 AM**      **Tutorial: Hands-on with PhysiCell: Building and Exploring Web-Based Cancer Therapy Simulations** (*Hine Hall Ballroom*)
- [Paul Macklin, PhD](#)  
Professor  
Luddy School of Informatics, Computing, and Engineering  
Indiana University
- 12:15 PM**      **Lunch** (*Hine Hall Ballroom*)
- 1:15 PM**      **Remdesivir and Metabolite PopPK Models for Pediatrics**
- [Emma Hughes, PhD](#)  
Associate Director  
Gilead Sciences
- 1:45 PM**      **Development of a Precision Dosing Model for Trihexyphenidyl in Children with Dystonic Cerebral Palsy**
- [Rose Gelineau-Morel, MD](#)  
Assistant Professor of Pediatrics  
Children's Mercy Hospital
- 2:15 PM**      **Model-Based Precision Dosing of Targeted Therapeutics in Pediatric Population**
- [Yuki Otani, MD, PhD](#)  
Advisor, Global PK/PD and Pharmacometrics  
Eli Lilly & Company
- 2:45 PM**      **Break**
- 3:15 PM**      **Distribution and Exposure of GLP-1 Receptor Agonists: Consideration of Fetal and Lactation Exposure via Quantitative Clinical Pharmacology Methods**
- [Brian Cicali, PhD, MS](#)  
Assistant Professor  
University of Florida College of Pharmacy
- 3:45 PM**      **Antiseizure Medications in Pregnancy**
- [Angela Birnbaum, PhD, FAES, MLS](#)  
Professor  
Department of Experimental and Clinical Pharmacology  
University of Minnesota College of Pharmacy
- 4:15 PM**      **PBPK Virtual Population Generation Using Open-Source Methods**
- [Ahmed Elmokadem, PhD](#)  
Senior Scientist  
Metrum Research Group

**4:45 PM Giving and Receiving Feedback**

*Stacey Tannenbaum, PhD, FISO*

Consultant and Coach to the MIDD Community  
SJT Pharm

**5:45 PM Closed Door Session, By Invitation Only (5:45PM – 6:30PM)**

## Tuesday, April 14, 2026

- 8:30 AM**      **Welcome**
- 8:45 AM**      **Tutorial: Population PK Modeling in Monolix** (*Hine Hall Ballroom*)  
[Amparo de la Peña, PhD](#)  
Vice President, Pharmacometric Services, CPP
- 12:15 PM**      **Lunch** (*Hine Hall Ballroom*)
- 1:15 PM**      **Safe Detect: Development and Optimization Of 19f-Mrs to Detect Drug Disposition in the Pediatric Brain**  
[Stephani Stancil, PhD, APRN](#)  
Associate Professor of Pediatrics  
Children's Mercy Kansas City
- 1:45 PM**      **Rivaroxaban and Lactation: Milk, Math, and Infant Exposure**  
[Kathleen Job, PhD](#)  
Research Assistant Professor  
The University of Utah
- 2:15 PM**      **Drug-Drug Interactions while Breastfeeding with Mother/Infant Medications: What's Safe?**  
[Sharmistha Das, PhD](#)  
Modeling & Simulations Senior Scientist  
Vertex Pharmaceuticals
- 2:45 PM**      **Break**
- 3:15 PM**      **Population PKPD analysis of differences in clinical biomarkers between two dosing regimens of antenatal corticosteroids**  
[Wojciech Krzyzanski, PhD](#)  
Associate Professor  
Department of Pharmaceutical Sciences  
University at Buffalo School of Pharmacy
- 3:45 PM**      **Human Milk Transfer and Infant Exposure to Maternal Sertraline: Evaluating Novel Sample Collection Methods**  
[Elizabeth Thompson, MD](#)  
Pediatric Cardiology and Critical Care Medicine  
Assistant Professor of Pediatrics  
Duke Clinical Research Institute  
Duke University
- 4:15 PM**      **Lightning Talks**

*Efavirenz Enhances Stereoselective Metabolism of Methadone in Healthy Participants*

[Michael Grunfest, PharmD](#)

T32 Postdoctoral Fellow in Medicine  
Indiana University School of Medicine

*Development of a Platform Physiologically-Based Pharmacokinetic Model for Monoclonal Antibodies in Pediatrics: Mechanistic Insights into Age-Dependent Pharmacokinetics*

[Mokshada Kumar, MS](#)

PhD Candidate

University at Buffalo Pharmacy and Pharmaceutical Sciences

*Stereoselective Disposition of Bupropion and Its Three Active Metabolites in Healthy Volunteers after Single and Multiple Dosing*

[Arina Lazutina, PharmD](#)

T32 Postdoctoral Fellow in Clinical Pharmacology

Indiana University School of Medicine

*Population Pharmacokinetics of Haloperidol in Pediatric Patients Using Opportunistic Sampling*

[Jacob Lindsey, PharmD](#)

PhD Student

College of Pharmacy

Purdue University

*Modelling Metformin: Is CYP3A4 Involved?*

[Amber N. Rogers, BS](#)

Pharmacology PhD Candidate

Indiana University School of Medicine

*Does Pregnancy Impact Maternal Cardiac Repolarization?*

[Omar Ali Aboshady, MD, MSc](#)

PhD Candidate

Purdue University

*Using Omics Data to Bridge Cannabidiol Exposure and PKPD Response*

[Debora Gisch, PhD](#)

Assistant Research Professor of Medicine

Indiana University School of Medicine

*Stereoselective Labetalol Pharmacokinetics in Pregnancy*

[Suhaas Muralidharan, PharmD](#)

PhD Student

Purdue University

*Model-Informed Study Design for Anti-Amyloid Immunotherapy in APP-SAA Alzheimer's Mice*

[Ankit Nagar, PhD](#)

Postdoctoral Fellow

Indiana University School of Medicine

**5:30 PM**

**Closing**

# Wednesday, April 15, 2026

**8:30 AM**     **Welcome**

**8:45 AM**     **Opening Remarks**

[Sarah E. Wiehe, MD, MPH](#)

Associate Dean for Community and Translational Research  
Co-Director, Clinical and Translational Sciences Institute  
Professor of Pediatrics, Indiana University

**9:00 AM**     **Toward the 3Rs: Is Reproductive Science Ready to Reduce, Refine, and Replace Animal Models to Advance Translational Maternal & Fetal Medicine?**

*Organ-on-a-Chip of the Feto-Maternal Interface to Minimize the Use of Animals*

[Arum Han, PhD](#)

Associate Dean for Research, College of Engineering  
Associate Agency Director, Texas A&M Engineering Experiment Station (TEES)  
Texas Instruments Professor | Presidential Impact Fellow | Chancellor's EDGES Fellow  
Director, NanoBio Systems Lab. | Director, AggieFab Nanofabrication Facility  
Dept. Electrical and Computer Engineering  
Texas A&M University

*A high throughput 3d Bioprinted Human Placenta Models of Early and Late Stage of Gestation as a Novel In Vitro Platform to Reduce Animal Use in Reproductive Research*

[Cristina Antich Acedo, PhD](#)

Postdoctoral fellow, Tissue Engineer  
3D Tissue Bioprinting Laboratory, ETB  
National Center for Advancing Translational Sciences (NCATS)  
National Institutes of Health (NIH)

*Preclinical Trials in Maternal-Fetal Medicine Using Organ-on-a-Chip*

[Ramkumar Menon, MS, PhD](#)

Professor, Department of Obstetrics and Gynecology,  
Mildred Harvey and Phyllis Hankins Maternal Fetal Medicine Distinguished Chair  
Director, Division of Basic Science and Translational Research  
Director, Translational Research Center (TraCe) Microphysiologic System (MPS) (NIH/NCATS)  
Director, March of Dimes Texas Perinatal Research Ctr of Excellence  
The University of Texas Medical Branch at Galveston

**10:30 AM**     **Break**

**10:45 AM**     **Lightning Talks**

*Revealing precise drug responses from real-world data*

[Pengyue Zhang, PhD](#)

Assistant Professor of Biostatistics & Health Data Science  
Indiana University School of Medicine

*A Co-Learning Framework for Maternal and Pediatric Pharmacotherapy Knowledge Gap Discovery*

[Xiaofu Liu, MS](#)

PhD Candidate  
The Ohio State University

*LLM-Based PK Model Data Extraction in Large Scale*

[Ping Wei, MS](#)

PhD Candidate  
The Ohio State University

*Underrecognized Vitamin D Deficiency in Pediatric Oncology Patients*

[Sun \(Coco\) Yang, B.Pharm, Ph.D, R.Ph, BCPPS, APH](#)

Associate Professor  
Department of Pharmacy Practice  
Chapman University School of Pharmacy (CUSP)

*Population Pharmacokinetics of Methadone in Pregnancy*

[Artem Belyakov, PharmD, MS](#)

NIH T32 Clinical Pharmacology Fellow  
Thomas Jefferson University

*Placental Prostaglandin Transporter: Early Warning System for Complications Following Environmental Chemical Exposures?*

[Lauren Aleksunes, PharmD, PhD, DABT](#)

Professor, Pharmacology and Toxicology  
Lead, Transporter Elucidation Network  
Ernest Mario School of Pharmacy  
Rutgers University

*Thinking Big by going Small: Microsampling for Therapeutic Drug Management*

[Abbie D. Leino, PharmD, PhD](#)

Member, Division of Translational Clinical Pharmacology  
Assistant Professor, UC Department of Pediatrics

*Centralised Identification of Early-Gestation Biospecimens to Support Early-Onset Pre-Eclampsia Prediction*

[Chris E Philip, MD](#)

Indiana University School of Medicine

**12:15 PM**      **Lunch** (*Hine Hall Ballroom*)

**1:15 PM**      **Review and Guidance on the Draft ICH E21 Guideline: Inclusion of Pregnant and Breastfeeding Women in Clinical Trials**

*Moderators*

[Gary Mo](#)

Senior Director  
Global PK/PD and Pharmacometrics  
Eli Lilly & Co.

[Sara K. Quinney, PharmD, PhD](#)

Professor of Obstetrics & Gynecology  
Professor of Medicine  
Indiana University School of Medicine

*Panelists*

[Jocelyn Leu, PharmD, PhD](#)

Senior Director, Clinical Pharmacology & Pharmacometrics  
Johnson & Johnson

[Leyla Sahin, MD](#)

Deputy Director for Safety  
Division of Pediatrics and Maternal Health  
Office of New Drugs in CDER  
Food and Drug Administration

[Ann Bruno, MD, MSci](#)

Assistant Professor  
Obstetrics and Gynecology  
The University of Utah

[Christina Bucci-Rechtweg, MD](#)

Head, Pediatric & Maternal Health Policy  
Global Drug Development Regulatory Affairs  
Novartis Pharmaceuticals Corporation

[Tamorah Lewis, MD, PhD](#)

Sellers Chair in Pharmacology and Pharmacogenetics  
Division Head, Clinical Pharmacology & Toxicology  
Staff Neonatologist  
The Hospital for Sick Children  
Associate Professor, Department of Paediatrics  
University of Toronto

[Sharon Nachman, MD](#)

Distinguished Professor  
Knapp Endowed Chair Pediatrics  
Department of Pediatrics  
Associate Dean for Research  
Renaissance School of Medicine  
SUNY Stony Brook

**2:45 PM**

**Break**

**3:00 PM**

**Human-Relevant Organoids and Tissue Chips as New Approach Methodologies for Advancing Perinatal Pharmacotherapeutics**

*Moderator*

[Lauren Aleksunes, PharmD, PhD, DABT](#)

Professor, Pharmacology and Toxicology  
Lead, Transporter Elucidation Network  
Ernest Mario School of Pharmacy  
Rutgers University

*Insights on Nutrient Transporters from Human Mammary Organoids and Milk Fat Globules*

[Misba Majood, PhD](#)

Postdoctoral Fellow  
Johns Hopkins University

*Modeling the Human Placental Interface: A Microengineered Platform for Mechanistic Insight into Maternal–Fetal Exposure*

[Pouria Fattahi, PhD](#)

Assistant Professor, College of Engineering  
University of Georgia

*An iPSC-Derived, Metabolically Competent Fetal/Neonatal Hepatocyte-like Cell Model to Study Xenobiotic Metabolism and Toxicity*

[Jed Lampe, PhD](#)

Associate Professor, Department of Pharmaceutical Sciences  
University of Colorado

*Modeling Transporter Ontogeny in Human Intestinal Organoids*

[Edward Kelly, PhD](#)

Professor, Department of Pharmaceutics  
University of Washington

**4:30 PM**

**Career Development Session: Navigating Your Clinical Pharmacology and/or Pharmacometrics Career in the Age of AI: Building Resilience Through Uncertainty**

*Moderators*

[Nieves Velez de Mendizabal, PhD](#)

Executive Director & Head of Pharmacometrics  
Eli Lilly & Company

[Sam Miles, MSECE](#)

Lead Automation & AI Engineer for PK/PD  
Eli Lilly & Company

*Panelists*

[Robert Bies, PharmD, PhD](#)

Professor  
Department of Pharmaceutical Sciences  
University at Buffalo

[Samuel Callisto, PhD](#)

Senior Scientist II  
Metrum Research Group

[Gemma Dickinson, PhD](#)

Vice President and Head of Global PK/PD and Pharmacometrics  
Eli Lilly & Company

[Tomoyuki Mizuno, PhD, FCP](#)

Associate Professor of Pediatrics  
Cincinnati Children's Hospital Medical Center

**6:00 PM**

**Networking Reception and Dinner (*Hine Hall Ballroom*)**

## Thursday, April 16, 2026

**8:30 AM**      **Registration and Welcome**

**8:45 AM**      **UCSD Center of Excellence in Therapeutics**

*Moderator*

[Adriana Tremoulet, M.D., M.A.S.](#)

Professor

Division of Host-Microbe Systems and Therapeutics

Department of Pediatrics

University of California San Diego

[Christina Chambers, PhD, MPH](#)

Professor, Department of Pediatrics

Chief, Division of Environmental Science and Health

Co-Director, Center for Better Beginnings

Associate Director, Altman Clinical & Translational Research Institute

University of California San Diego

[Lars Bode, PhD](#)

Endowed Chair of Collaborative Human Milk Research

Founding Director of the UC San Diego Larsson-Rosenquist Foundation Mother-Milk-Infant

Center of Research Excellence (MOMI CORE)

University of California San Diego

[George Liu, MD, PhD](#)

Chief and Professor

Pediatric Infectious Diseases

University of California San Diego

[Shirley Tsunoda, PharmD, FCCP](#)

Professor of Clinical Pharmacy

Associate Dean for Pharmacy Education

University of California San Diego

**10:15 AM**      **Break**

**10:45 AM**      **Neurodevelopment in Children with SSRI Exposure**

*Moderator*

[Christina Chambers, Ph.D., M.P.H.](#)

Professor, Department of Pediatrics

Chief, Division of Environmental Science and Health

Co-Director, Center for Better Beginnings

Associate Director, Altman Clinical & Translational Research Institute

University of California San Diego

[Tim Oberlander, MD](#)

Developmental Pediatrician

British Columbia Children's Hospital Research Institute

Vancouver BC

[Ardesheer Talati, PhD](#)

Professor of Clinical Neurobiology in the Department of Psychiatry  
Columbia University Irving Medical Center  
New York, NY

[Catherine Stika, MD](#)

Clinical Professor of Obstetrics and Gynecology  
Northwestern Feinberg School of Medicine  
Chicago, IL

**12:15 PM**    **Lunch** (*Hine Hall Ballroom*)

**1:15 PM**    **VICE-MPRINT**

*Moderator*

[Prince Kannankeril, MD, MSCI](#)

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

*Admin/PTA*

[Prince Kannankeril, MD, MSCI](#)

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

*Project 1, Aim 1*

[Digna R. Velez Edwards, PhD, MS](#)

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

*Project 1, Aim 2*

[Megan Shuey, PhD](#)

Research Assistant Professor  
Clinical Pharmacology and Genetics  
Center for Precision Medicine  
Vanderbilt University Medical Center

[Sudeep Sunthakar, MD, MSCI](#)

Assistant Professor of Pediatrics, Cardiology  
Vanderbilt University Medical Center

*Project 2*

[Andrew Wiese, PhD, MPH](#)

Assistant Professor, Department of Health Policy  
Vanderbilt University Medical Center

*Pheno Core*

[Wei-Qi Wei, MD, PhD, FAMIA](#)

Associate Professor, Department of Biomedical Informatics  
Vanderbilt University Medical Center

**2:45 PM**      **Break**

**3:00 PM**      **Examining the Current Understanding of Pain Medication Use During Pregnancy from Clinical and Research Perspectives**

*Moderators*

[Megan Shuey, PhD](#)

Research Assistant Professor  
Clinical Pharmacology and Genetics  
Center for Precision Medicine  
Vanderbilt University Medical Center

[Sudeep Sunthakar, MD, MSCI](#)

Assistant Professor of Pediatrics, Cardiology  
Vanderbilt University Medical Center

*Panelists*

[Luke A. Gatta, MD](#)

Assistant Professor in Obstetrics & Gynecology  
Vanderbilt University Medical Center

*Jeff Reese, MD*

Professor of Pediatrics, Neonatology  
Mildred T. Stahlman Chair in Perinatal Research, Neonatology  
Vanderbilt University Medical Center

*Enrique Schisterman, PhD*

Chair, DBEI  
Perelman Professor in Biostatistics, Epidemiology, and Informatics  
University of Pennsylvania

**5:00 PM**

**Closing**

## Friday, April 17, 2026

**8:30 AM**     **Welcome**

**8:45 AM**     **MPRINT Data, Model, Knowledge, Research Coordination Center**

[Sara K. Quinney, PharmD, PhD](#)

Professor of Obstetrics and Gynecology and Medicine (Clinical Pharmacology)  
Principal Investigator, MPRINT DMKRCC  
Indiana University School of Medicine

[Lang Li, PhD](#)

Professor and Chair  
Department of Biomedical Informatics  
College of Medicine  
The Ohio State University

[Christopher W. Bartlett, PhD, MHA](#)

*Assistant Chief Data Sciences Officer for Biomedical Informatics*  
Nationwide Children's Hospital  
Professor of Pediatrics  
The Ohio State University

[Robert Bies, PharmD, PhD](#)

Professor  
Department of Pharmaceutical Sciences  
University at Buffalo

**10:15 AM**     **Break**

**10:45 AM**     **Data Science and Regulatory Science in Pharmacotherapy Research**

*Moderator*

[Sara K. Quinney, PharmD, PhD](#)

Professor of Obstetrics and Gynecology and Medicine (Clinical Pharmacology)  
Principal Investigator, MPRINT DMKRCC  
Indiana University School of Medicine

*How AI can transform modeling approaches in drug R&D*

[Liang Zhao, PhD MAS MBA](#)

Professor and Vice Chair  
Department of Bioengineering and Therapeutic Sciences  
School of Pharmacy and Medicine  
University of California San Francisco

[Michelle Whirl-Carrillo, PhD](#)

Stanford University

*MPRINT-Knowledge Portal: A Glimpse of AI in Translational Pediatric and Maternal Pharmacology Research*

[Lang Li, PhD](#)

Professor and Chair  
Department of Biomedical Informatics  
College of Medicine  
The Ohio State University

*Panelists*

*Todd Skaar, PhD*

Professor of Medicine  
Indiana University School of Medicine

*Serena Jingchuan Guo, MD PhD*

William S. Bucke, Associate Professor  
Department of Pharmacy Practice  
AI Director, College of Pharmacy  
Purdue University  
Investigator, Regenstrief Institute

**12:15 PM**    **Lunch** (*Hine Hall Ballroom*)

**1:15 PM**    **Closed Door Session, by Invitation Only (1:15PM-3PM)** (*Hine Hall Ballroom*)