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**Knowledge, Implementation & Education**

**Meeting Agenda**

**June 20-21, 2024**

**University of Pennsylvania**

**June 20, 2024**

***7:45 – 8:45 Breakfast provided; Poster set-up***

***Opening Remarks (8:45am*** – ***9:00am): Kelly Caudle, PharmD, PhD***

***Session 1 (9:00am*** – ***10:30am): Why PGx (Justification as to why we are all here)***

*Moderator: Kelly Caudle, PharmD, PhD*

9:00 – 9:30 *Physician’s View: Stevens Johnson Syndrome*

Teri Manolio, MD, PhD – National Human Genome Research Institute

9:30 – 10:00 *Stevens Johnson Syndrome and Implementation of HLA testing*

Sony Tuteja, PharmD, MS – Penn Center for Precision Medicine, University of Pennsylvania

10:00 – 10:30 *Patient’s Representative view: Stevens Johnson Syndrome*

Paul Anderson (father of Angela Anderson)

***Session 2 (10:30am – 12:00pm): Implementation Strategies (Justification as to how we are doing this)***

*Moderator: TBD*

10:30 – 10:50 *VA National Pharmacogenomics Program: PGx Implementation in the Veterans Health Administration*

Deepak Voora, MD – Durham Veterans Affairs Medical Center

10:50 – 11:10 *Implementing CYP3A5 and tacrolimus*

Amy L. Pasternak, PharmD– University of Michigan, College of Pharmacy

11:10 – 11:30 *Implementation of Clinical Pharmacogenomics Across a Multi-State Health System*

Natasha Petry, PharmD, MPH– Sanford Health Imagenetics

11:30 – 12:00 *State of the art with clinical labs and implementers: A Panel Discussion*

Kristine Crews, PharmD – St. Jude Children’s Research Hospital

Others TBD

***12:00 – 1:30 Lunch provided including time for networking; Poster set-up***

***Session 3 (1:30pm – 3:00): Regulatory Hurdles and the path forward***

*Moderator: TBD*

1:30 – 1:55 *Legislation Efforts in Pharmacogenomics*

Kristine Ashcraft, BS, MBA– YouScript

1:55 – 2:20 *Challenges and Opportunities in Regulating Pharmacogenomics*

Don Rule – Translational Software

2:20 – 2:35 *The All of Us Experience*

Phil Empey, PharmD, PhD – University of Pittsburgh

2:35 – 3:00 *Regulatory Hurdles and the path forward: How do we move forward?*

Moderated Discussion led by TBD

***3:00 – 3:30 Networking/Bathroom break***

***Session 4 (3:30-5:00): PGx Resources***

*Moderator: Marylyn Ritchie, PhD*

3:30 – 3:50 *Pharmacogenomics Knowledgebase (PharmGKB) and Pharmacogenomics Clinical Annotation Tool (PharmCAT)*

Michelle Whirl-Carrillo, PhD – Stanford University

3:50 – 4:10 *Clinical Pharmacogenetics Implementation Consortium (CPIC)*

Kelly Caudle, PharmD, PhD – St. Jude Children’s Research Hospital

4:10 – 4:30 *PGx Resources: PharmVar - new content and features*

Andrea Gaedigk, PhD – Children’s Mercy Research Institute

4:30 – 5:00 *Clinical Pharmacogenomics (ClinPGx) and Clinical Genome Resource (ClinGen)*

Teri Klein, PhD – Stanford University

***5:00 – 6:30 Posters and Happy Hour***

***6:30 – onwards Dinner on own***

**June 21, 2024**

***8:00 – 9:00 Breakfast provided***

***Session 4 (9:00am*** – ***10:30am): Use of AI and LLMs to Improve Precision Health***

*Moderator: Teri Klein, PhD*

9:00 – 9:30 *Leveraging Electronic Health Record Data for Targeted Detection of Cognitive Impairment*

Kyra O'Brien, MD – Penn Memory Center, University of Pennsylvania

9:30 – 10:00 *AI & Oncology*

David Penberthy, MD, University of Virgina

10:00 – 10:30 *Explainable AI for health: Where We Are and How to Move Forward*

Su-In Lee, Ph.D., University of Washington

***Session 5 (10:30am*** – ***12:00pm): Advancing Pharmacogenomics Education Across the Spectrum of Clinician Training***

*Moderator: TBD*

10:30 – 11:00 *Beginning at the Beginning : Preparing Students in Pharmacy and Medical Schools to Become Leaders in Pharmacogenomics*

Kristin Wiisanen, PharmD - Rosalind Franklin University of Medicine and Science

11:00 – 11:30 *Equipping Residents and Fellows to Deliver the Future of Precision Medicine*

Kristine R. Crews, PharmD – St. Jude Children’s Research Hospital

11:30 – 12:00 *Improving the Genomic Literacy of Healthcare Professionals Through the Inter-Society Coordinating Committee for Practitioner Education in Genomics (ISCC-PEG)*

Roseann S. Donnelly, PharmD, FCCP, BCPS- Massachusetts College of Pharmacy and Health Sciences

***12:00 – 1:00 Boxed Lunch provided including time for networking***

***Session 6 (1:00pm – 2:00pm): Recent Developments from the Clinical Labs, EPIC Brain Trust & Closing***

*Moderator: TBD*

1:00 – 1:20 *AMP’s Recommendations for Clinical Pharmacogenotyping Allele Selection*

Victoria M. Pratt, Ph.D., FACMG- Indiana University School of Medicine

1:20 – 1:40 *Development of in-house PGx testing at Children's Mercy*

Laura Ramsey, PhD – Children’s Mercy

1:40 – 2:00 *Collaborations with Epic on PGx and Closing Remarks*

Marylyn Ritchie, PhD – University of Pennsylvania School of Medicine