



**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)**

9:00 – 9:30      *Physician's View: Stevens Johnson Syndrome*  
Teri Manolio, MD, PhD – National Human Genome Research  
Institute

9:30 – 10:00      *Therapeutic View: Stevens Johnson Syndrome*  
Sony Tuteja, PharmD – 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)**

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 Pasternak, PharmD – University of Michigan, College of  
Pharmacy

11:10 – 11:30      *Implementing Clinical Genome-Wide Testing for PGx Variants Across a Health System*  
Natasha Petry, PharmD – 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***

1:30 – 1:55      *PGx testing regulations*  
TBD

1:55 – 2:20      *Regulatory Hurdles for PGx Testing*  
Don Rule – Translational Software

2:20 – 2:35      *Regulatory Hurdles and the Path Forward: 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***

**3:30 – 5:00**      ***PGx Resources***

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: The Pharmacogene Variation Consortium  
(PharmVar)*  
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 & Research**

- 9:00 – 9:30 *AI & Precision Health*  
Kyra O'Brien, MD – Penn Memory Center, University of Pennsylvania
- 9:30 – 10:00 *AI & Oncology*  
David Penberthy, MD, University of Virginia
- 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): Education**

- 10:30 – 11:00 *The Inter-Society Coordinating Committee for Practitioner Education in Genomics (ISCC-PEG)*  
Roseann Donnelly, PharmD - Massachusetts College of Pharmacy and Health Sciences
- 11:00 – 11:30 *PGx Education in Pharmacy and Medical Schools*  
Kristin Wiisanen, PharmD - Rosalind Franklin University of Medicine and Science
- 11:30 – 12:00 *PGx Residency/Fellowship Programs*  
Kristine Crews, PharmD – St. Jude Children's Research Hospital
- 12:00 – 1:00 *Boxed Lunch provided including time for networking, Poster tear down***

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

- 1:00 – 1:20 *AMP efforts*  
Victoria Pratt - Indiana University School of Medicine
- 1:20 – 1:40 *Recent Developments from the Clinical Labs: Children's Mercy*  
Laura Ramsey, PhD – Children's Mercy
- 1:40 – 2:00 *Report of EPIC Brain Trust and Closing Remarks*  
Marylyn Ritchie, PhD – University of Pennsylvania School of Medicine