



**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 *Collaborations with Epic on PGx and Closing Remarks*
Marylyn Ritchie, PhD – University of Pennsylvania School of Medicine