Objective: Introduce concept of precision medicine to OSU faculty, graduate students, and research staff.

Theme: precision medicine is eliminating the division between research and clinical practice. This theme serves to link precision medicine with clinical and translational science. Feature researchers telling stories of what they are doing to accomplish precision medicine.

8:45 AM: Registration, coffee

9 AM: Welcome: R. Jackson

9:10: Introduction to Precision Medicine. Ray Hershberger
9:25: Complex Systems & Precision Medicine. Wolfgang Sadee
9:40: Discussion

Pharmacogenomics. Moderator Wolfgang Sadee
9:50: CYP enzymes, the CYP3A Regulome. Danxin Wang
10:00: Precision Medicine and Parkinson’s Disease. Elizabeth Barrie
10:10: Pediatrics, Pharmacogenomics, and Personalized Medicine. Susan Vear
10:20: Discussion

10:30 Break

Genomic Medicine Applications. Moderator Sameek Roychowdhury
10:45: OCCPI & TCC Initiatives: Heather Hampel
10:55: Targeted Chemotherapy: Sameek Roychowdhury
11:05: A Case Study from the Cardiovascular Genetic & Genomic Clinic at the Ross Heart Hospital. Amy Sturm
11:15: The Dilated Cardiomyopathy Precision Medicine Study. Ana Morales
11:25: Discussion

Genomics, Data, and Informatics. Moderator. Ray Hershberger
11:35: The OSU Genomic Medicine Initiative (GMI). Kevin Sweet
11:45: Data Platform for Genomic Research with the Ohio Supercomputer Center. Dan Kinnamon
Noon: Discussion

12:10: The NIH Precision Medicine Initiative & Funding Your Research: Rebecca Jackson

12:30: Adjourn