8:00 AM — *Registration and Breakfast*

8:45 AM — **Opening Remarks**
David B. Roth, MD, PhD
Director Penn Center for Precision Medicine

9:00 AM — **Keynote Address**
Robert H. Vonderheide, MD, DPhil
Director Abramson Cancer Center

9:45 AM — **Gary Weissman, MD, MSHP**
Precision Delivery of Community Resources for Patients with Chronic Obstructive Pulmonary Disease Through Qualitative Interviews and Natural Language Processing

10:05 AM — **Break**

10:20 AM — **Ping Wang, PhD, D(ABCC), FAACC**
Use of Acrlycarnitine Signature for Heart Failure Prognostication and Targeted Intervention

10:40 AM — **Donald O'Rourke, MD & Zev Binder, MD, PhD**
(Dr. Zev Bincir to present) IL13Ra2-targeting Chimeric Antigen Receptor T cell Therapy in the Canine Patient as a Proof-of-Concept for Human Trials

11:00 AM — **Kara Maxwell, MD, PhD**
Implication of Gleason Score for the Precision Medicine Treatment of Patients with Localized Prostate Cancer

11:20 AM — **Lewis Chodosh, MD, PhD**
Single Cell Genomic Analysis of Bone Marrow Disseminated Tumor Cells to Enable Precision Medicine Approaches to Breast Cancer Patients Harboring Minimal Residual Disease

11:40 AM — **Suyash Mohan, MD, FDCC**
(Dr. Sanjeev Chawla to present) Looking Beyond the Visible: Precision Diagnostics for GBM Coupling Ultra-High Field Capabilities of 7-Tesla with Machine Learning

12:00 PM — **Lunch Served**

1:00 PM — **Tilo Grosser, MD**
Towards Predicting the Analgesic Response to Ibuprofen Following Third-Molar Extraction

1:20 PM — **Joshua Diamond, MD, MSCE**
PERSPIRE: Preventing Rehospitalization in Lung Transplant Recipients Utilizing Individualized Rehabilitation Prescriptions

1:40 PM — **Erica Carpenter, PhD**
Establishing a Clinical Liquid 3iopsy (ctDNA) Infrastructure

1:55 PM — **Alice Chen-Plotkin, MD**
Pharmacogenetics of Impulsivity in Parkinson's Disease

2:10 PM — **Sony Tuteja, PharmD, MS, BCPS, FAHA**
Implementation of Pharmacogenetic Testing in Gastrointestinal Cancers

2:25 PM — **Closing Remarks**
David B. Roth, MD, PhD
Director Penn Center for Precision Medicine