Center for Precision Health and Integrated Diagnostics (PHIND)

Agenda for PHIND Symposium
James H. Clark Center, Clark Auditorium
318 Campus Drive, Stanford University

Topics in Precision Health, September 6th, 2018

FROM-TO	EVENT	Presenter
8:00-9:00	BREAKFAST	Clark Courtyard
9:00-9:20	Opening Remarks	Sam Gambhir, MD, PhD
9:20-9:50	What You Always Wanted to Know about Economics of Precision Health But Were Afraid to Ask	Kathryn Phillips, PhD
9:50-10:20	Toward in vivo Molecular Sensing using Aptamers with Ultrasound-Powered Implants	Jun-Chau Chien, PhD
10:20-10:50	Artificial Intelligence and Machine Learning Methods in Clinical prediction	Daniel Rubin, MD, MS
10:50-11:05	Break	Clark Courtyard
11:05-11:35	Biomarkers of the Onset of Depression and Suicidal Behaviors During Adolescence	Ian Gotlib, PhD
11:35-12:05	Predicting healthy vs. pathological aging: Multimodal biomarkers of age-related memory change and risk for Alzheimer's disease	Beth Mormino, PhD
12:05-1:05	LUNCH	Clark Courtyard
1:05-1:35	Utilizing the immune response as a biomarker for stroke precursors	Paul George, MD, PhD
1:35-2:05	Diagnostic Nanosensors for Precision Health	Shan Wang, PhD
2:05-2:35	Home based precision health tools to inspect and diagnose male fertility	Utkan Demirci, PhD
2:35-2:50	Break	Clark Courtyard
2:50-3:20	Biomarkers and biological processes associated with future cancer development and exposure to food-based carcinogens	Almudena Espin-Perez, PhD
3:20-3:50	Precision Diets for Diabetes Prevention	Tracey McLaughlin, MD
3:50-3:55	Concluding Remarks	Sam Gambhir, MD, PhD

Dream Team Competition, September 7th, 2018

FROM-TO	EVENT	Presenter
8:50-9:10	**Opening Remarks**	**Sam Gambhir, MD, PhD**
9:10-9:50	**Detecting Epithelial Cancers Using a Mobile On-Chip Platform**	**Tanya Stoyanova , PhD** **Utkan Demirci, PhD** **James Brooks, MD** **Christian Kunder, MD, PhD**
9:50-10:30	**Precision Diagnostic and Prediction of food allergy**	**Sindy Tang, PhD** **Kari Nadeau, MD, PhD** **Pablo Paredes, PhD, MBA**
10:30-10:45	**Break**	**Clark Courtyard**
10:45-11:25	**Assessment of Early Knee Osteoarthritis Using a Low Cost, Rapid, and Multi-Modal Imaging and Biomechanics Approach**	**Brian Hargreaves , PhD** **Scott Delp, PhD** **Garry Gold, MD**
11:25-12:05	**Formulating innOvative Risk Estimates through Smartphones Informatics and Genomics for Health Transformation (FORESIGHT) Study**	**Euan Ashley, MD, PhD** **Jure Leskovec, PhD** **Abby King, PhD** **Scott Delp, PhD** **Matthew Wheeler, MD, PhD**
12:05-1:05	**LUNCH**	**Clark Courtyard**
1:05-1:45	**Wearable Wireless Sleep Monitoring system for Precision Health**	**Ada Poon, PhD** **Zhenan Bao, PhD** **Emmanuel Mignot, MD, PhD**
1:45-2:25	**Detection and prevention of autism through wearable artificial intelligence and multimodal data integration**	**Dennis Wall, PhD** **James Landay, PhD** **Trevor Hastie, PhD** **Thomas Robinson, PhD** **Mike Snyder, PhD** **Pablo Paredes, PhD, MBA**
2:25-2:30	**Event Conclusion**	**Sam Gambhir, MD, PhD**
2:30-3:00	**Private Session for Judges**	