

# Diabetes and Metabolism Seminar Series



## Harnessing Innovative Technologies for Diabetes Research

### 2022 Annual Symposium

April 14, 2022, 8:00 am-4:00 pm PST

UW Center for Urban Horticulture

Full-Day Symposium [Register at: diabetesmetabseminars.com](https://diabetesmetabseminars.com)

8:00 Continental Breakfast

8:30 Opening Remarks and Welcome

#### Session 1 Chair: Carlos Campos, PhD

- 8:45  **Jessica Castle, MD**  
*Associate Professor, Oregon Health and Science University*  
Diabetes Technology, Promise and Challenges
- 9:30  **Mauricio Villarroel, PhD**  
*Senior Research Scientist, University of Oxford*  
Non-contact Physiological Measurement of Patients' Vital Signs

10:15 Break

#### Session 2 Chair: Vincenzo Cirulli, MD, PhD

- 10:30  **Sina Gharib, MD**  
*Professor, University of Washington*  
Everything You Wanted to Know About Big Data but were Afraid to Ask!
- 11:15  **Kyle Gaulton, PhD**  
*Assistant Professor, University of California San Diego*  
Interpreting Type 1 Diabetes Risk with Genetics and Single-cell Epigenomics

12:00 Lunch

#### Session 3 Chair: Steven Kahn, MB, ChB

- 1:30  **David Tingley, PhD**  
*Postdoctoral Fellow, Beth Israel Deaconess Medical Center*  
A Metabolic Function of the Hippocampal Sharp Wave-ripple
- 2:15  **Carlos Campos, PhD**  
*Research Assistant Professor, University of Washington*  
Multidimensional Motif Discovery for Unsupervised Clustering of Time Series Data

3:00 Panel Discussion