

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

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

10:30  **David Tingley, PhD**

Postdoctoral Fellow, Beth Israel Deaconess Medical Center
Time Series Data Mining Using the Matrix Profile: A Unifying of Motif Discovery, Anomaly Detection, Segmentation, Classification, Clustering and Similarity Joins

11:15  **Carlos Campos, PhD**

Associate Professor of Medicine, University of Washington
Harnessing Time Series Data to Understand Meal Patterns

12:00 Lunch

1:30  **Kyle Gaulton, PhD**

Assistant Professor, Department of Pediatrics, University of San Diego
Interpreting Type 1 Diabetes Risk with Genetics and Single-cell Epigenomics

2:15 **TBD**

3:00 Break

3:15  **Sina Gharib, MD**

Professor, University of Washington
Wrap Up and Concluding Remarks