

SOUTHERN CALIFORNIA

# AI & BIOMEDICINE SYMPOSIUM

## AI & NEUROSCIENCE



**Calit2 Building Auditorium**

University of California, Irvine

Register: [www.igb.uci.edu](http://www.igb.uci.edu)

**Monday, October 9, 2023**

9:30 AM Presentations (Lunch Provided)

4:45 PM Reception

9:30-10:00 AM	Pierre Baldi and Michael Yassa	◆	Introductions
10:00-10:30 AM	Regina Ragan	◆	Decoding Metabolite Signals as Reporters of Cellular Environment
10:30-11:00 AM	Peter Sadowski, <i>UCI Alum</i>	◆	AI in Ultrasound and DXA Imaging
11:00 AM-12:00 PM	Krzysztof Palczewski	◆	Precise Genome Editing in the Eye: Curing Blindness is Now Within Sight
12:00-1:00 PM		◆	LUNCH BREAK
1:00-1:30 PM	Gyuri Lur	◆	Interactions of Top-down and Bottom-up Synaptic Inputs to Posterior Parietal Cortex
1:30-2:00 PM	Norbert Fortin	◆	Using Brain-inspired Analytical Tools to Understand Brain Computations in Hippocampus
2:00-2:30 PM	Megan Peters	◆	Applications of the Science of Metacognition for Research into Artificial Systems
2:30-3:00 PM	Mark Steyvers	◆	Human-AI Collaboration
3:00-3:30 PM	Sumner Norman, <i>UCI Alum</i>	◆	Next Generation Neurotechnology & Applications in AI Alignment
3:30-4:00 PM	Sam Anthony	◆	Promise and Pitfalls of Brain-Inspired AI in Academia and Industry
4:00-4:45 PM		◆	Discussion Panel
4:45-7:00 PM		◆	Reception

Co-sponsored by:



INSTITUTE FOR GENOMICS AND BIOINFORMATICS

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**UCI** Center for the Neurobiology of Learning and Memory