USC Ginsburg Institute for Biomedical Therapeutics

In Partnership with the Future Vision Foundation

Virtual Symposium

Human-Centric Computing in Ophthalmology

Oct. 31, 2022 - 9:00AM-5:00PM • Nov. 01, 2022 - 9:00AM-12:30PM

Zoom Access Information

Register in advance for this webinar: https://usc.zoom.us/webinar/register/WN_vvPqklgRQ12Op4V2Emd-qg Questions? Email Kami.McClure@med.usc.edu

SYMPOSIUM OVERVIEW

This two-day symposium features diverse experts in human-centric computing and ophthalmology in a panel discussion format. We are honored to host Michael Chiang, MD, Director of the National Eye Institute, and present him with this year's USC Dr. Allen and Charlotte Ginsburg Institute for Biomedical

Oct. 31, 2022

9:00 Welcome

9:10 Basic Science Perspectives on Human-Centered Computing (HCC): Notable Achievements, Current Research, Cyrus Shahabi, PhD

9:25: Session #1: Basic Science: HCC Panel 1: HCC Theory and Practice

Panel 2: Strategies for Drug Development

10:40: Break

10:55: USC Ginsburg Institute Vision Research Award 11:00: USC Ginsburg Institute Vision Research Award Lecture: Artificial Intelligence, Data Science, and Ophthalmology: Where Are We Headed? Michael Chiang, MD, Director, National Eye Institute

11:30: Session #2: Basic Science: HCC Opportunities and Challenges:

Panel: Role of Computational Biology in Basic Science Research

12:10: USC Ginsburg Institute Poster Award

12:25: Lunch Break

1:30: Session #3: HCC: Translational Research I Panel 1: Machine Learning & Al for Ophthalmology Panel 2: Translational Research - Saving Sight

3:00 Break

3:15-4:45: Session #4: HCC Translational Research II

Panel 1: Integrating HCC

Panel 2: Funding Translational Research

Nov. 01, 2022

9:00 Welcome

9:05 Session #5: HCC: Programs, Current and Emerging Trends

Panel 1: Emerging Digital Innovation in Healthcare

9:55: Break

10:10: Panel 2: Translating Technology from Bench to Bedside: Tips and Challenges

11:00: Break

11:15: Panel 3: Artificial Intelligence for Drug Discovery and Clinical Trials

12:15: Lunch Break and end of Zoom Symposium

