

# 12<sup>th</sup> ANNUAL STEM CELL SCIENCE SYMPOSIUM

8:00 AM – 5:00 PM || Wednesday, February 12, 2025  
Gross Hall, 4<sup>th</sup> Floor Thorp Conference Center

## Session 1: Immune System & Blood Stem Cells



**Andras Nagy, MD, PhD**  
University of Toronto

*Safe, Immune-Cloaked, Allogeneic Cell Transplants for Long-Term Delivery of Therapeutic Biologics in Disease Treatment*



**Matthew Inlay, PhD**  
UC Irvine

*Ex Vivo Graft Conditioning for Reduction in Graft-Versus-Host Disease Upon Allogeneic Hematopoietic Stem Cell Transplantation*



**Naomi Lomeli, PhD**  
Dr. Daniela Bota Lab, UC Irvine

*Development of Translational Models of Ovarian Cancer-Associated Cognitive Impairments and Chemotherapy-Induced Peripheral Neuropathy*

## Session 2: Cardiovascular Models and Bioengineered Systems



**Joseph Wu, MD, PhD**  
Stanford University

*Stem Cells & Genomics: From Precision Medicine to Clinical Trials in Dish*



**Quinton Smith, PhD**  
UC Irvine

*Engineering Vascularized Organoids*



**Sujeung Lim, Ph.D Candidate**  
Dr. Herdeline Ardoña Lab, UC Irvine

*Complementary Peptide Coassemblies for Driving the Structural Order of Thermochromic and Phototransducer Nanomaterials*

## Session 3: Neuromuscular Disease & Aging



**Thomas Rando, MD, PhD**  
UC Los Angeles

*Stem Cell Quiescence: A Microcosm of Evolutionary Trade-Offs*



**Albert La Spada, MD, PhD**  
UC Irvine

*Delineating Novel Pathways of Motor Neuron Demise in Amyotrophic Lateral Sclerosis*



**Usha Nekanti, PhD**  
Dr. Aileen Anderson Lab, UC Irvine

*Restoration of Cortico-Muscular Connectivity by Biomaterials Scaffolds and Neural Stem Cells After Spinal Cord Injury*

## Panel: Stem Cell Avenues to Translation



**Daniela Bota, MD**  
UC Irvine



**Alanna Gannon, PhD**  
Deputy Editor at Wiley



**Peter Donovan, PhD**  
UC Irvine



**Leigh Turner, PhD**  
UC Irvine



**Alex Minella, MD**  
UC Irvine

Moderated by