

**Open to all - students, faculty, staff, and community**

# 2022 CCBM Workshop: Synthetic Biology and Biomimetics

**Nov. 30 – Dec. 2, 2022**

UC Merced Conference Center (11/30, 12/2) & Tenaya Lodge / Yosemite (12/1)



**Jennifer Doudna**  
UC Berkeley  
**2020 Nobel Prize in Chemistry**  
*A Decade of CRISPR: Opportunities of Genome Editing*

◆ **Scientific Presentations** ◆  
◆ **Poster Session** ◆  
◆ **Discussions** ◆  
◆ **Networking** ◆



**Sanjeevi Sivasankar**  
UC Davis  
*Biophysics of Cadherin Adhesion: How Cell Adhesion Proteins Respond to Force*



**Eva de Alba**  
UC Merced  
*Cell-free Assembly and Visualization of the Initial Stages of the AIM2 Inflammasome*



**Kara McCloskey**  
UC Merced  
*Cell Phenotype in Vascular Assembly*



**Shahar Sukenik**  
UC Merced  
*Engineering Structure & Function in Intrinsically Disordered Proteins*



**Jeff Hasty**  
UC San Diego  
*Engineered Gene Circuits for Cancer Therapeutics*



**Christopher Rao**  
University of Illinois at Urbana-Champaign  
*Counting & Control in Bacterial Motility*



**Ron Weiss**  
MIT  
*Mammalian Synthetic Biology Foundations & Application to Programmable Organoids*



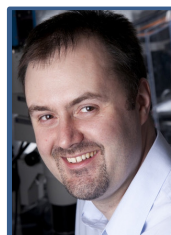
**Roberto C. Andresen Eguiluz**  
UC Merced  
*pH-dependent Interfacial Adhesion of Hydroxypyridinone-based Surface Primers as Wet Adhesives*



**Victor Muñoz**  
UC Merced  
*Engineered Protein Decoys for Diagnostics of Viral Diseases: Strategies for Achieving Attomolar Capture & Detection without Amplification*



**Anand Subramaniam**  
UC Merced  
*A Cell-mimetic In Vitro Experimental Model for Intercellular Variation Reveals the Effects of Concentration on a Circadian Oscillator*



**Brenton Hoffman**  
Duke University  
*Regulation of Mechanical Coupling during Collective Cell Migration*



**Stephanie Woo**  
UC Merced  
*Optimizing an Optogenetic Gene Expression for Use in Zebrafish Embryos*

[Register / More Info](#)

**Contact:** CCBM Executive Director, Carrie Kouadio, [ckouadio@ucmerced.edu](mailto:ckouadio@ucmerced.edu)  
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