

University of California, Merced

The NSF-CREST Center for Cellular and Biomolecular Machines uses an interdisciplinary approach combining physical, biological, and engineering methods to understand and control the functioning of multi-scale assemblies of biomolecules and cells, and to design and develop novel bio-inspired functioning machines ranging from designer cell and tissue to diagnostic and therapeutic devices. The center also focuses on enhancing biophysics, biochemistry, and bioengineering graduate and undergraduate education; leading STEM outreach activities in the Merced area for teachers, students, and the community; and broadening participation in STEM fields.

2019 CCBM WORKSHOP: November 8 - 9, 2019

Sponsored by







Open to all students, faculty, staff and local community.

Guest parking in Bellevue Lot -- taps.ucmerced.edu

Emerging Themes in



David BISHOP Boston University

Topic: "Mending Broken Hearts, the CELL-MET ERC"



Hana El-SAMAD

University of California, San Francisco

Topic: "Biological Feedback Control"



Ten external speakers to present on scientific topics that overlap with the CREST Center's research areas and best practices in bringing research impacts to society.

Highlights: scientific talks, broader impacts, poster session, collaborative discussions, networking, and breakout sessions.

Friday, November 8: California Room, UC Merced (open to all) Saturday, November 9: Yosemite National Park (by invitation)



Kerwyn Casey HUANG

Stanford University

Topic: "Physics of Bacterial Growth"



Taher A. SAIF

University of Illinois at Urbana-Champaign

"Topic: Emerging Living Machines"



Roger D. Kamm

MIT

Topic: "The Promise Of Multi-cellular Engineered Living Systems"



Vivek SHENOY

University of Pennsylvania

Topic: "Cell-Matrix Interactions in Cancer: Multiscale ChemoMechanical Models"



Steven BLOCK

Stanford University

Topic: "Optical Tweezers: Biophysics in a New Light"



Hernan GARCIA

University of California, Berkeley

Topic: "Non-Equilibrium Regulation of Chromatin Accessibility and Transcription in Development"



Suzan MARQUSEE

University of California, Berkeley

Topic: "Protein Folding On and Off the Ribosome"



Sara VASSMER

University of Missouri

Topic: "Broader Impacts: Best Practices, Tools & Resources for Success"



ccbm.ucmerced.edu

Contact: CCBM Executive Director, Carrie Kouadio, ckouadio@ucmerced.edu, (209) 228-3608

An NSF Center of Research Excellence in Science and Technology (CREST)

UC Merced • 5200 North Lake Road • Merced, CA 95343

