Emerging Themes in Cellular and Biomolecular Machines

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)

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

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

(ccbm.ucmerced.edu)

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David BISHOP
Boston University

Steven M. BLOCK
Stanford University

Hana EI-SAMAD
University of California, San Francisco

Hernan G. GARCIA
University of California, Berkeley

Kerwyn Casey
Stanford University

Roger D. Kamm
MIT

Susan MARQUSEE
University of California, Berkeley

Vivek SHENOY
University of Pennsylvania

Sara VASSMER
University of Missouri

Taher SAIF
University of Illinois at Urbana-Champaign

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

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

Topic: "Dissecting Transcriptional Dynamics in Development One Burst at a Time"

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

Topic: "Protein Folding On and Off the Ribosome"

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

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

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

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

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.