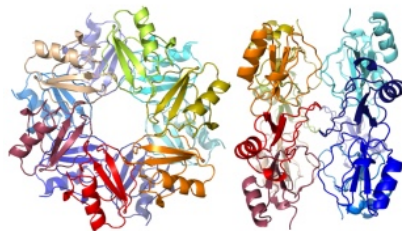
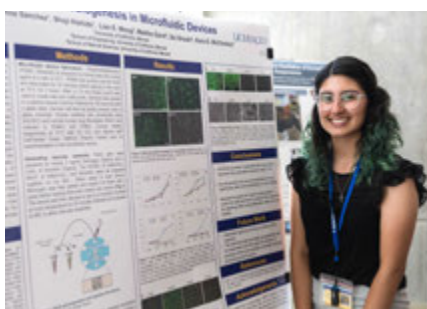




The **NSF-CREST Center for Cellular and Biomolecular Machines** uses an interdisciplinary approach combining physical, biological and engineering methods to understand and control the functioning of multi-scale assemblies of biomolecules and cells, and to design and develop novel bio-inspired functioning machines ranging from designer cells and tissue to diagnostic and therapeutic devices. The center is also focused on enhancing biophysics, biochemistry, and bioengineering graduate and undergraduate education, as well as leading K-12 STEM outreach activities in the Merced area for teachers and students.

Open House Activities • UC Merced • 5200 North Lake Road

- 10:00 AM - 11:00 AM CCBM-affiliated Lab Tours (morning session), SE1, SE2
- 11:00 AM - 12:30 PM Graduate Student Poster Session & Lunch, SE1 Sidewalk Facing Quad
- 12:45 PM - 1:45 PM Keynote Lecture: Dr. Manu Prakash, COB1 120**
- 2:00 PM - 3:00 PM Foldscope Activities & Other Demonstrations, SSB 160/130
- 3:00 PM - 4:00 PM CCBM-affiliated Lab Tours (afternoon session), SE1, SE2
- 4:00 PM - 5:00 PM Undergraduate/STEP Student Poster Session, SE1 2nd Floor Atrium
- 5:00 PM - 5:30 PM Poster Awards & Reception, SE1 2nd Floor Atrium



See where science happens in lab tours focused on physics, chemistry, and engineering!

CCBM graduate students & undergrads will share biophysics, bioengineering, and biochemistry research in an outdoor poster session!

Meet STEP high school students & a teacher who conducted summer research at UC Merced!

Engage in hands-on STEM activities!

You're Invited!

CCBM OPEN HOUSE

FRIDAY, SEPTEMBER 22



Manu Prakash

"Physical Biologist and Inventor...inventing affordable technologies for global education, health, and science explorations."

<http://www.macfound.org/>

Keynote Lecture by Dr. Manu Prakash, Stanford University Bioengineer & MacArthur "Genius" Award Recipient
"Curiosity, Frugal Science and Global Health: Opportunities and Challenges"

UC Merced • Room COB1 120 • Friday, September 22 • 12:45 PM - 1:45 PM

Somebody once said, "What a damn fool can do for a dollar, an engineer can do for a nickel." Thinking about cost as an engineering constraint brings new life to ideas. This is what makes the difference between an idea influencing a hundred people or a billion. With our planet literally teeming with problems, it's time to take cost constraints into serious consideration. As physicists, we like to make stuff. We use these skills (and field work) to design solutions for extremely resource-constrained settings, especially in the field of global health and science education. I will discuss our current work from field diagnostics to high-throughput vector ecology and hands-on science education.

Event Registration: ccbm.ucmerced.edu

Activities **Open to All** UCM Students, Faculty, Staff & Local Community. **Free** admission for everyone. Space limited. Early registration encouraged. Guest parking in Lake Lot 2. Permit-less parking dispenser, credit card only.

