

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 also focuses on enhancing biophysics, biochemistry and bioengineering graduate and undergraduate education and training; leading STEM outreach activities for teachers, students, and the community; and broadening participation in STEM fields.

CCBM Virtual Sessions Summer / Fall 2020



Open to All / STEM - College - Careers for K-12 Students & Teachers / Free / via Zoom Register More Information

June & July 2020

What's the Matter with Matter? for High School & Middle School Students with Professor Roberto C. Andresen Eguiluz June 29-July 2, 10:00-10:45 am Pacific (PDT)

Time to Grow: Your Learning Journey for High School Students with John Newton

July 1, 11:00 am-12:00 pm Pacific (PDT)

How Would You Build a Machine that Sorts Cells?

for High School Students / Teachers with Dr. David Gravano July 13, 15, 17, 11:00 am-12:00 pm Pacific (PDT)

Understanding Living Systems through

Scientific Computing for High School Students with Professor Ajay Gopinathan July 13, 2:00-3:00 pm Pacific (PDT)

The Science of Flocks and Swarms

for Elementary Students (Grades 4-5) with Professor Ajay Gopinathan July 14, 2:00-3:00 pm Pacific (PDT)

Explore DNA / Hands-on Investigation

for Elementary Students (Grades K-5) / Teachers with Professor Xuecai (Susan) Ge July 16, 10:00-11:00 am Pacific (PDT)

Cell Division on a Computer

for High School Students / Teachers with Professor Kinjal Dasbiswas & Patrick Noerr July 20, 22, 24, 1:00-1:45 pm Pacific (PDT)

College Readiness and STEM Disciplines

for High School Students with Dr. Petia Gueorguieva July 22, 2:00-3:00 pm Pacific (PDT)

Introduction to Computer Simulations in Physics, from Forest Fires to Salad Dressing for High School & Middle School Students / Teachers

with Professor Daniel Beller July 28, 29, 30, 31, 2:00-3:00 pm Pacific (PDT) August, September, & October 2020

Time to Grow

for High School & Middle School Students with Teri Sotelo-Campos Aug. 12, 3:30-4:15 pm Pacific (PDT)

College Bound for High School & Middle School Students with Teri Sotelo-Campos Aug. 13, 3:30-4:15 pm Pacific (PDT)

Lights - Action: Controlling Bacteria with Light for High School Students & Teachers with Professor Arvind Gopinath and Joshua Tamayo Aug. 18-21, 3:30-4:15 pm Pacific (PDT)

Ethics in Research: How Far is Too Far? for High School & Middle School Students with Dr. Daniel Wong Aug. 26, 10:30-11:45 am Pacific (PDT)

How to Win at Work:

Making an Impact in Your Field for High School & Middle School Students with Dr. Daniel Wong Aug. 27, 10:30-11:45 am Pacific (PDT)

College Readiness and STEM Disciplines for High School Students with Dr. Petia Gueorguieva

Sept. 2, 10:30-11:30 am Pacific (PDT)

Combatting Misinformation

by Introducing Peer-Reviewed Journals into the Science Classroom for Teachers

with Melissa Goodlad Oct. 7, 4:00-5:15 pm Pacific (PDT)



In Partnership with CalTeach

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