

**MOLECULAR BIOPHYSICS TRAINING PROGRAM'S ANNUAL**

# MOLECULAR BIOPHYSICS VIRTUAL SYMPOSIUM 2021

**FRIDAY - MARCH 26, 2021**

**9 AM - 5 PM EST**



## KEYNOTE SPEAKERS

**Anna Greka, MD, PhD**  
Assistant Professor  
Harvard Medical School



**José Onuchic, PhD**  
Professor of Chemistry and BioSciences  
Rice University

**THEME: DIVERSITY IN MOLECULAR BIOPHYSICS**

**[HTTPS://FORMS.GLE/ZSAA9CQQDWXSA6DK9](https://forms.gle/ZSAA9CQQDWXSA6DK9)**

**REGISTER NOW**



## PANEL MODERATORS

**Karen Fleming, PhD**  
Professor of Biophysics  
Johns Hopkins



**Marina Ramirez-Alvarado, PhD**  
Professor of Biochemistry & Molecular Biology  
Mayo Clinic

For more information please contact:

Omar Alvarenga - oea4001@med.cornell.edu & Gia Romano - gr4003@med.cornell.edu



# Molecular Biophysics Annual Symposium

Friday, March 26, 2021

9:00 am – 5:00 pm (EST)

**9 - 9:15 am** Opening Remarks

Olga Boudker, PhD & David Eliezer, PhD  
Program Directors

**9:15 - 10 am** José Onuchic, PhD

Rice University

Energy landscapes, order and disorder, and protein  
sequence coevolution: From proteins to chromosome  
structure

**10 - 10:25 am** Alma Perrino, PhD

Weill Cornell, Scheuring Lab

Single-molecule kinetics of Bacteriorhodopsin by HS-AFM

**10:25 - 10:45 am** Coffee Break

**10:45 - 11:20 am** Nipam Patel, PhD

University of Chicago

The Physics of Beauty: Structural Coloration in Butterflies

**11:20 - 11:55 am** Aashish Manglik, PhD

UCSF

Designing keys to open new locks: engineered nanobodies  
as tools to probe transmembrane signaling

**11:55 - 1 pm** Lunch

**1 - 1:45 pm** Anna Greka, PhD

Broad Institute

Membrane proteins and disrupted cellular homeostasis

**1:45 - 2:10 pm** Xiaowei Hou, PhD

Memorial Sloan K, Long Lab

Structures Reveal Opening of the Calcium Release-  
activated Calcium Channel Orai

**2:10 - 2:15 pm** Coffee Break

**2:15 - 2:50 pm** Henry Colecraft, PhD

Columbia University

Deconstructing ubiquitin regulation of ion channels

**2:50 - 3:50 pm** Student Poster Session

Presentations in multiple virtual meeting rooms

**3:50 - 4 pm** Coffee Break

**4 - 5 pm** Diversity Panel

Moderated by Karen Fleming, PhD (Johns Hopkins) and  
Marina Ramirez-Alvarado, PhD (Mayo Clinic) with Henry  
Colecraft, Nipam Patel, José Onuchic

**5 - 5:15 pm** Closing Remarks

**5:15 - 6:30 pm** Reception (BYOB)

**IN HONOR OF WOMAN'S HISTORY MONTH**

**MOLECULAR BIOPHYSICS TRAINING PROGRAM'S PRESENTS**

# **VIRTUAL SCREENING & DISCUSSION PANEL**

**PANEL: 4-5PM MARCH 26TH AT THE SYMPOSIUM**

**AVAILABLE ONLINE BETWEEN:  
MARCH 19-26, 2021**

**LINK HERE:**

**[HTTPS://VIMEO.COM/SHOWCASE/CORNELLPICTUREASCIENTIST](https://vimeo.com/showcase/cornellpictureascientist)**

**PASSWORD: WEILLCORNELL321**



## PICTURE A **SCIENTIST**

