

Physical Sciences in
Oncology Center
PSOC@Penn

Spring 2021 Webinar Series

Mondays @ Noon (EST)

For webinar link, please contact <manu@seas.upenn.edu>



01.25.2021

“Predicting interactions between cell collectives and their environment”

M. Lisa Manning, PhD

Professor, Department of Physics, Syracuse University, NY
<https://thecollege.syr.edu/people/faculty/manning-m-lisa/>

02.01.2021

TBA



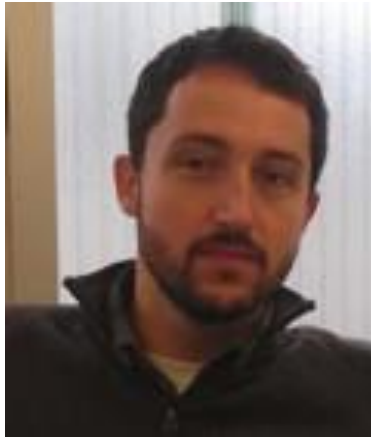
02.08.2021

“Abnormal Mechanics in Brain Tumors”

Meenal Datta, PhD

Research Fellow in Radiation Oncology, Massachusetts General Hospital

<https://connects.catalyst.harvard.edu/Profiles/display/Person/170359>



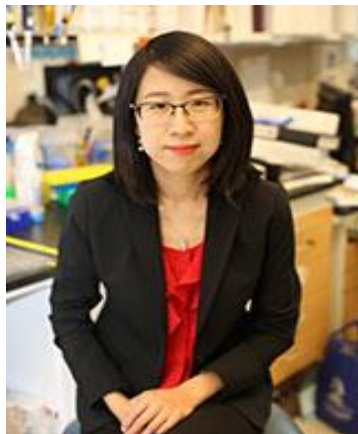
02.15.2021

“Sensing matrix rigidity: transducing mechanical signals from integrins to the nucleus”

Pere Roca-Cusachs Soulere, PhD

Group Leader (IBEC) & Associate professor, Cellular and Molecular Mechanobiology, University of Barcelona

<https://www.ibeccbarcelona.eu/member/156/Pere+Roca-Cusachs+Soulere/>



02.22.2021

“Host-microbiota interaction in lung cancer development and response to immune checkpoint therapy.”

Chengcheng Jin, Ph.D

Assistant Professor, Department of Cancer Biology, UPenn

<https://www.med.upenn.edu/apps/faculty/index.php/g2000>



03.01.20

“Polarity signaling ensures epidermal homeostasis by coupling cellular mechanics and genomic integrity”

Sandra Iden, PhD

Professor, Head of Dept. Cell & Developmental Biology, Saarland University, Homburg/Saar, Germany

<https://www.uni-saarland.de/en/chair/iden.html>



03.08.2021

“Entropy as a driver to tissue structural heterogeneity in health and disease”

Zev Gartner, PhD

Professor, Department of Pharmaceutical Chemistry, UCSF, California

<https://www.gartnerlab.ucsf.edu/people.php>



03.15.2021

“T cell circuits that can sense antigen density with an ultrasensitive threshold”

Rogello Hernandez-Lopez, PhD

Postdoctoral Fellow, Wendell Lim Lab, UCSF

<https://limlab.ucsf.edu/people/rogelio.html>



03.22.2021

“TBA”

Robert T. Tranquillo, PhD

Distinguished McKnight University Professor, Department of Biomedical Engineering, University of Minnesota

<https://cse.umn.edu/bme/robert-t-tranquillo>



03.29.2021

“TBA”

Rong Li, PhD

Bloomberg Distinguished Professor of Cell Biology, Johns Hopkins School of Medicine.

<https://ronglilab.johnshopkins.edu/c/people/>



04. 05.2021

“Cancer cell unjamming as predictive tumor marker”

Dr. Josef A. Käs

Faculty & Head of the Soft Matter Physics Division, University of Leipzig

<https://home.unileipzig.de/pwm/web/?section=people&page=kaes>



04. 12.2021

“TBA”

Wendy Liu, PhD

Associate professor, Biomedical Engineering, Chemical & Biomolecular Engineering, University of California, Irvine.

<https://ccbs.uci.edu/team/wendy-liu/>



04. 19.2021

“Multiphoton autofluorescence imaging of immune cells in cancer”

Melissa Skala, PhD

Professor, Biomedical Engineering, University of Wisconsin – Madison

https://directory.engr.wisc.edu/bme/Faculty/Skala_Melissa/



04.26.2021

“TBA “

Jason Locasale , PhD

Associate Professor of Pharmacology and Cancer Biology, Duke university

<https://medschool.duke.edu/about-us/our-faculty/jason-locasale>



05.03.2021

“TBA “

Bo Sun, PhD

Associate Professor, Dept of Physics Oregon State University

<https://physics.oregonstate.edu/bo-sun>



05.10.2021

“TBA “

Buzz Baum, PhD

LMCB Group Leader, UCL Professor of Cell Biology , IPLS Chair,UK

<https://www.ucl.ac.uk/lmcb/users/buzz-baum>