

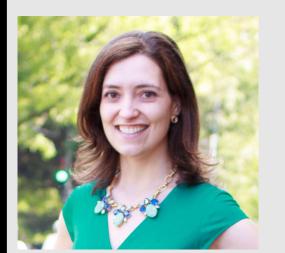
Tuesday, May 12th & Wednesday, May 13th, 2020 9am-1pm

Organized by: NIH Chemical Biology Interface Programs from Univ. of Delaware, Stony Brook Univ., Johns Hopkins Univ., Univ. of Pennsylvania and Univ. of Maryland Baltimore County

Tuesday May 12th

9:00am Opening remarks

9:10am Keynote Speaker



Dr. Carmen Drahl
"Science
Communication:

It's what I do, but so

*Image by RosaLovesDC must you"

10am Student Talks

11:30am Career Panel Q&A

Dr. Simone Sidoli, Asst. Prof, Albert Einstein College of Med.

Dr. Anumita Saha-Shah, Sr. Scientist, Merck Dr. Janet Reed, Partner at Potter Anderson & Corroon LLP

Dr. Michelle Bond, Program Director, NIGMS

12:10pm Student Poster Session

Wednesday May 13th

9:00am COVID-19 Panel

Dr. Susan Weiss (UPenn)

"Coronavirus life cycle: identification of potential targets for antiviral therapies"

Dr. Carolyn Machamer (JHU)

"Intracellular assembly and egress of coronaviruses"

Dr. Carlos Simmerling (SBU)

"Modeling the 'spike' on the surface of the COVID-19 virus"

10am	Student Talks
10:40am	Break
10:50am	Student Talks
11:30am	Break
11:40am	Student Talks
12:10pm	Student Poster
	Session

Click Here to Join the Zoom Meeting!



Schedule of Gradute Student Talks

Tuesday May 12th

10:00am Katie Nelson (UDel)

"An in vitro placenta model with tunable ECM to study

10:20am Taylor Barrett (UPenn)

"Studies of Thioamide Positional Effects on Serine Protease Activity Enable Two-Site Stabilization of Cancer Imaging Peptides"

10:50am Jodi Kraus (UDel)

"Solid-state NMR structure of human cofilin-2 bound to F-actin reveals isoform specific conformation and unique binding mode"

11:10 Melanie Johnston (JHU)

"The role of residue R99 in DXP Synthase conformational dynamics"

Wednesday May 13th

Erica Sinner (JHU) 10:00am

"Sequential methylations by radical SAM enzymes generate structural transplacental drug transport" diversity in carbapenem antibiotics"

10:20am Forrest Bowling (SBU)

"Crystal structure of human PLD1 provides insight into activation by PI(4,5)P2 and RhoA"

10:50am Rachael Knoblauch (UMBC)

"Tuning Light-Activated Antimicrobial Character from a Carbon Nanodot Architecture"

11:10am Juan Serrano (UPenn)

"Targeting APOBEC3A's genomic mutagenic activity with functionalized DNA dumbbells"

11:40am Zachary Stillman (UDel)

"Evaluating UiO-66 Metal-Organic Framework (MOF) Nanoparticles as Carriers for Pulmonary Drug Delivery"

12:00pm Danielle Cervasio (SBU)

"Chemical approaches towards regulated gene therapy in astrocytes"