



CBI Virtual Symposium

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
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9:10am Keynote Speaker



Dr. Carmen Drahl
"Science
Communication:
It's what I do, but so
must you"

*Image by RosaLovesDC

.....
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**

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12:10pm Student Poster Session

Wednesday May 13th

9:00am COVID-19 Panel
Dr. Susan Weiss (UPenn)

"Coronavirus Replication and Immune
Evasion"

Dr. Carolyn Machamer (JHU)

"SARS CoV-2 Basic Virology" & "Intracellular
protein trafficking and coronavirus
assembly in the Golgi complex"

Dr. Carlos Simmerling (SBU)

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

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10am Student Talks

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10:40am Break

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10:50am Student Talks

.....
11:30am Break

.....
11:40am Student Talks

.....
12:10pm Student Poster
Session

Join the Zoom Meeting
(Link to be provided at a later date)



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Schedule of Graduate Student Talks

Tuesday May 12th

10:00am Katie Nelson (UDel)

"An *in vitro* placenta model with tunable ECM to study transplacental drug transport"

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10:20am Taylor Barrett (UPenn)

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

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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"

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11:10 Melanie Johnston (JHU)

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

Wednesday May 13th

10:00am Erica Sinner (JHU)

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

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10:20am Forrest Bowling (SBU)

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

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10:50am Rachael Knoblauch (UMBC)

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

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11:10am Juan Serrano (UPenn)

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

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11:40am Zachary Stillman (UDel)

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

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12:00pm Danielle Cervasio (SBU)

"Chemical approaches towards regulated gene therapy in astrocytes"