

# Schedule

**10:00–10:15am** | Ceire Hay, Student

"Interrogating mechanisms of CD8 T cell dysfunction in obese asthma"

**10:15–10:30am** | Shuruthi Murugan, Student

"Neutral and Terminal Phosphide Complex of Niobium"

**10:30–11:30am** | Power Hour

Sage Rush and Sana Saeed

**11:30–11:45am** | Coffee Break

**11:45–12:00pm** | Erin Jean, Student

"Understanding the mechanisms of immunity against percutaneous infection by a skin-penetrating Helminth"

**12:00–12:15pm** | Crystal Conn, Faculty

"A balancing act: regulating mRNA translation for cancer progression"

**12:15–1:15pm** | Lunch

**1:15–2:15pm** | Poster Session

**2:15–2:30pm** | Coffee Break

**2:30–2:45pm** | Stephanie Weirich, Faculty

"A Logical Approach to Programming Language Design and Verification"

**2:45–3:00pm** | Zahra Fakhraai, Faculty

"Controlling material properties through entropy"

**3:00–3:15pm** | Hanna Roenfan, Student

"Honokiol-Inspired Analogs as Antibacterial Agents against ESKAPE Pathogens"

**3:15–3:30pm** | Sunny Shin, Faculty

"Innate immune defense against bacterial infection"

**3:30–3:45pm** | Coffee Break

**3:45–4:45pm** | Key Note Address

Sharona Gordon

"Lighting the way: fluorescence lifetimes, protein dynamics, and my journey out of darkness"

**4:45–6:00pm** | Reception

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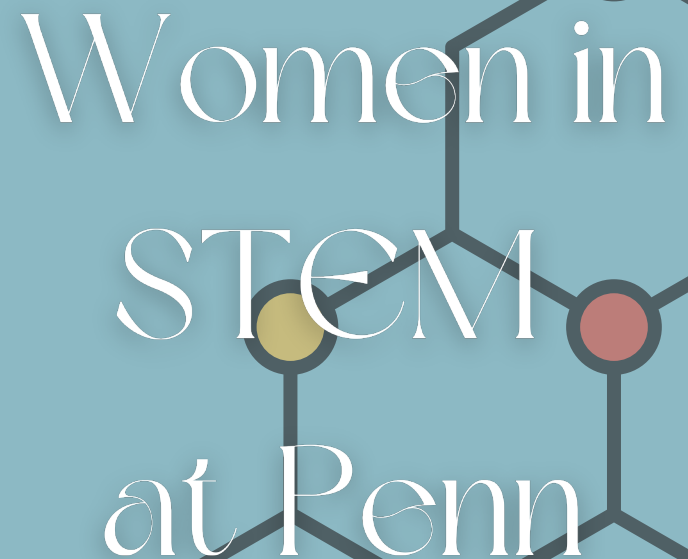
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and to the administrators of the

Chemistry Dept., Biochemistry  
Dept., School of Engineering, SAS,  
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Women in  
STEM  
at Penn

Research Symposium

June 3rd, 2022

# Keynote Speaker

**Dr. Sharona Gordon**

Physiology and Biophysics  
University of Washington

# Faculty Speakers

**Dr. Crystal Conn**

Assistant Professor of Radiation Oncology  
Department of Radiation Oncology

**Dr. Stephanie Weirich**

ENIAC President's Distinguished Professor of  
Computer and Information Science  
School of Engineering and Applied Sciences

**Dr. Zahra Fakhraai**

Associate Professor of Chemistry  
Department of Chemistry.

**Dr. Sunny Shin**

Associate Professor of Microbiology  
Penn Institute for Immunology

# Poster Presenters

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# Power Hour

# Guest Speakers

**Sage Rush**

Neurodevelopment and  
Psychosis Section and Lifespan  
Brain Institute

**Sana Saeed**

Penn Chaplin's Office

# Student Speakers

**Ceire Hay**

Immunology Graduate Group, PSOM

**Shuruthi Murugan**

Department of Chemistry, SAS

**Erin Jean**

Department of Pathobiology, Veterinary Med.

**Hanna Roenfanz**

Department Chemistry, SAS