SUMMER UNDERGRADUATE RESEARCH PROGRAM

DEPARTMENT OF MOLECULAR BIOLOGY

LEWIS-SIGLER INSTITUTE FOR INTEGRATIVE GENOMICS

Summer 2021
Calendar of Events

First week

Orientation link: https://princeton.zoom.us/j/95323087559?pwd=SUhSM25DcjZTMFNTaGhORE4vQ0U3dz09

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>Welcome Orientation - Receive a brief overview of the program</td>
<td>10-10:30am</td>
<td>Zoom</td>
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<tr>
<td>June 1</td>
<td>- Ask questions</td>
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<tr>
<td>Wednesday</td>
<td>Intro to Biosafety/ Bloodborne Pathogen Training (Link sent</td>
<td>10-11:30am</td>
<td>Zoom</td>
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<tr>
<td>June 2</td>
<td>by Jackie Wagner to those who need it)</td>
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Weekly Events

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<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>Tuesdays</td>
<td>Faculty Research Talks</td>
<td>12:00 – 1:00 p.m.</td>
<td>Zoom</td>
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<tr>
<td>(Jun 8 – July 27)</td>
<td>The first talk is Tuesday, June 8.</td>
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<tr>
<td>Wednesdays</td>
<td>Weekly Research Discussion Group Meetings</td>
<td>4:00 – 5:00 p.m.</td>
<td>Zoom</td>
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<tr>
<td>(Jun 9 – Jul 28)</td>
<td>The first meeting is Wednesday, June 9.</td>
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Abstract Submission

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<thead>
<tr>
<th>Date</th>
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<th>Time</th>
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<tbody>
<tr>
<td>Friday, July 23</td>
<td>Abstracts due to Katie Pyott, <a href="mailto:kpyott@princeton.edu">kpyott@princeton.edu</a></td>
<td>By 5pm</td>
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</tbody>
</table>
Special Events/Workshops

Workshop link: [https://princeton.zoom.us/j/97391030079?pwd=M3orZUs5SnQzam5JZ1p6a0xkaFVTUT09](https://princeton.zoom.us/j/97391030079?pwd=M3orZUs5SnQzam5JZ1p6a0xkaFVTUT09)

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<th>Date</th>
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<tr>
<td>June 17</td>
<td>Graduate School Info Session/Panel</td>
<td>12pm</td>
<td>Zoom</td>
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<td></td>
<td>Moderated by Professor Tom Silhavy with current MOL and QCB graduate students</td>
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<tr>
<td>July 8</td>
<td>Medical School Info Session/Panel</td>
<td>12pm</td>
<td>Zoom</td>
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<td>Moderated by Professor Dan Notterman with MD/PhD students</td>
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<tr>
<td>July 15</td>
<td>Work-Life-Lab Balance</td>
<td>12pm</td>
<td>Zoom</td>
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<tr>
<td></td>
<td>Presented by Brianna Romer, graduate student in the Petry Lab</td>
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<tr>
<td>July 22</td>
<td>Center for Career Development</td>
<td>12pm</td>
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<td></td>
<td>Presented by Pam Cohen, Ed.D</td>
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Center for Career Development: Summer Professional Development Series (optional)

Sign up on Handshake.

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<tr>
<td>June 2</td>
<td>Setting Learning Objectives &amp; The Power of Reflection</td>
<td>1pm</td>
<td>Zoom</td>
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<td>June 15</td>
<td>Making Connections with Alumni &amp; and other Professionals</td>
<td>1:30pm</td>
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<td>July 14</td>
<td>Navigating the Workplace Roundtable Discussions</td>
<td>1pm</td>
<td>Zoom</td>
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<td>August 10</td>
<td>Summer Reflection and Next Steps</td>
<td>1pm</td>
<td>Zoom</td>
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<td>Paulina Przygonska</td>
<td>Notterman</td>
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Safety Trainings

Additional Safety Training

Please check with your lab mentor or lab manager to confirm if any additional training sessions are required.

Animal Worker Training

If you have any questions, please contact Jackie Wagner at jw6@princeton.edu.

Only principal investigators, staff employees, doctoral students, post-doctoral fellows, and undergraduates who are listed on an animal experimentation protocol, which has been approved by the IACUC, may apply for and receive access to animal facilities. Personnel not listed on the protocol are ineligible to apply for facility access. Undergraduate students must be guided and supervised by trained post-doctoral students and fellows, staff, or graduate students.

Laser Safety Training

Laser Safety Program covers work with Class 2, Class 3, and Class 4 lasers. Individuals working with such lasers must attend training which includes: fundamentals or laser operation, biological effects of laser radiation on the eye and skin, non-radiation hazards (e.g. fire hazards, chemical exposure), classification of lasers and laser systems, and control measures and personal protective equipment. Individuals who work with or in close proximity to Class 3b or Class 4 lasers receive additional Laser Safety Training for High-Powered Lasers from EHS.

https://ehs.princeton.edu/laboratory-research/laboratory-safety/laser-safety
Research Discussion Groups

Wednesday Afternoons
4:00-5:00 p.m. from June 9 – July 28

Each discussion group is led by a postdoctoral instructor. The purpose of the research discussion groups is to offer a forum for students to present their projects and findings. A major goal is for the students to gain experience with scientific oral presentations.

Dazzle 'em with Style: The Art of Oral Scientific Presentation by Robert R H Anholt

Scientifically Speaking: Tips for Preparing and Delivering Scientific Talks and Using Visual Aids by Judith P. Rhodes
http://tos.org/pdfs/sci_speaking.pdf

Group 1: Discussion Leader: Dr. Brian Mahon, Petry Lab

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<tr>
<th>Name</th>
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<td>Mansi Totwani</td>
<td>Ploss</td>
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Group 2: Discussion Leader: Dr. Michael Neinast, Rabinowitz Lab

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<td>Emily Chavarria</td>
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<td>Eli Costa</td>
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<td>Mary Davis</td>
<td>Wingreen</td>
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Group 3: Discussion Leader: Dr. Jodi Kraus, Petry Lab

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Group 4: Discussion Leader: Dr. Salman Sohrabi, Murphy Lab

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If you have an emergency and cannot make a weekly discussion group meeting please contact your instructor as soon as possible.

Postdoc emails:

Jodi Kraus: jk7039@princeton.edu

Brian Mahon: bpmahon@princeton.edu

Michael Neinast: mneinast@princeton.edu

Salman Sohrabi: sohrabi@princeton.edu
Faculty Research Talks

TUESDAYS
June 8 - July 27, 12:00-1:00pm
Zoom link: [https://princeton.zoom.us/j/93966365161?pwd=TGY3Z1ErZitUdnRPlcYxYkhqcDAzZz09](https://princeton.zoom.us/j/93966365161?pwd=TGY3Z1ErZitUdnRPlcYxYkhqcDAzZz09)
Meeting ID: 939 6636 5161
Passcode: summer
A reminder email will be sent the day before each talk.

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<thead>
<tr>
<th>Date</th>
<th>Professor</th>
<th>Research Area/Talk Title</th>
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<tbody>
<tr>
<td>June 8</td>
<td>Zemer Gitai</td>
<td>New Drugs for Superbugs</td>
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<tr>
<td>June 15</td>
<td>Jean Schwarzbauer</td>
<td>Diabetic Kidney Fibrosis – Disease Mechanisms and Potential Therapies</td>
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<tr>
<td>June 22</td>
<td>Fred Hughson</td>
<td>SNAREs and Such: The Remarkable Protein Machinery Behind Membrane Fusion</td>
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<tr>
<td>June 29</td>
<td>AJ te Velthuis</td>
<td>Studying RNA Virus Replication and its Effect on Human Disease</td>
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<tr>
<td>July 6</td>
<td>No Talk scheduled</td>
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<tr>
<td>July 13</td>
<td>Michelle Chan</td>
<td>From One Cell to Many: Uncovering the Cell Fate Map for Mammalian Development</td>
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<tr>
<td>July 20</td>
<td>Eszter Posfai</td>
<td>Cell Fate Decisions and Organization in Early Mammalian Development</td>
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<tr>
<td>July 27</td>
<td>Cameron Myhrvold</td>
<td>CRISPR-based Technologies for Detecting and Destroying RNA Viruses</td>
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Summer Program Contacts

LSI/QCB students contact: Jen Giraldi
jgiraldi@princeton.edu

MOL students contact: Katie Pyott
kpyott@princeton.edu