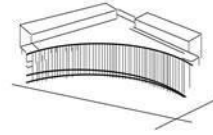


The Lewis-Sigler Institute  
for Integrative Genomics



# SUMMER UNDERGRADUATE RESEARCH PROGRAM

**DEPARTMENT OF MOLECULAR BIOLOGY**  
**LEWIS-SIGLER INSTITUTE FOR INTEGRATIVE GENOMICS**

Summer 2022





## Special Events/Workshops

Date	Event	Time	Location
June 16	<b>Graduate School Info Session/Panel</b> Dr. Tom Silhavy, MOL Graduate School Adviser with panel of QCB and MOL graduate students	12pm	SCH 107
June 23	<b>Medical School Info Session/Panel</b> Dr. Dan Notterman, MOL Medical School Adviser with panel of MD/PhD students	12pm	SCH 107
June 28	MOL Dept Picnic Workshop	4pm	Frist Lawn
June 30	<b>Road to Your Thesis: Getting Started</b> Emily Mesev, Senior Head Fellow at the Writing Center and MOL graduate student	6pm	SCH 107
July TBD	<b>How to Make a Poster</b> Science Librarians	d?	SCH 107
July 14	<b>Center for Career Development</b> Pam Cohen, Associate Director, STEM	12pm	SCH 107
July 28	<b>MOL/QCB SURP Poster Session</b>	2pm	Icahn Atrium

## SURP Snack Time

Date	Event	Time	
Wednesdays (June 8 – July 27)	<b>Grab coffee and a snack before your discussion group meetings</b>	3:30pm	Lower level of LTL, outside 005

## MOL/QCB Summer Program Students

Name	Lab
Eman Ali	Peña
Luke Barrett	Toettcher
Stephano Boyer-Paulet	Shaevitz
Katie Cappola	Hughson
Weston Carpenter	te Velthuis
Jeremy Cha	Murphy
Adrienne Chang	Burdine
Ye Chen	Donia
Chase Chiang	Schedl
Maddy Chong	Murphy
Allison Chou	Kang
Nelson Chow	Nelson
Bhoomika Chowdhary	Wuhr
Aaron Cohen	Posfai
Audrey Czuchna	Devenport
Juliana DaSilva	Schedl
Evan DeTurk	Bassler
Varun Devraj	Notterman
Keenan Duggal	Jonikas
Mina Elzawawy	Gitai
Tobi Fadugba	Levine
Julia Garaffa	Notterman
Judah Guggenheim	Murthy
Jacob Hayes	Schwarzbauer
Shelley Heo	Gitai

## MOL/QCB Summer Program Students

Name	Lab
Gillian Hilscher	Notterman
Rachel Hsu	Toettcher
Ishea Johnson	Devenport
Ella Kaage	Mallarino
Maryam Kamel	Burdine
Irene Kim	Gavis
Tommy Kim	Silhavy
Sarah Kuo	Gregor
Meryl Liu	Wingreen
Faith Meitl	Schwarzbauer
Maria Morales-Salgado	Murphy
Cody Mui	Cristea
Corazón Núñez	Cristea
Dev Patel	Toettcher
Aleigha Reynolds	Wuhr
Rishabh Rout	Raphael
Mike Ruttlen	Petry
Olivia Sakaguchi	Ploss
Milan Schillaci	Shvartsman
Emily Schoeman	Ploss
Larry Shue	Kang
Haley Tran	Petry
Alex Tsai	Hughson
Katya Williams	Adamson
Karen Yang	Notterman
Michelle Yoon	Bassler

# MOL/QCB Summer Program Students

Name	Lab
Dinie Zheng	Conway
Yaakov Zinberg	Kleiner

## 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](mailto: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 8 – July 27

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.

## Group 1: Discussion Leader: Dr. Brian Mahon, Icahn 200

Name	Lab
Eman Ali	Peña
Adrienne Chang	Burdine
Nelson Chow	Nelson
Gillian Hilscher	Notterman
Ishea Johnson	Devenport
Maryam Kamel	Burdine
Tommy Kim	Silhavy

## Group 2: Discussion Leader: Dr. Jodi Kraus, LTL 005

Name	Advisor
Luke Barrett	Toettcher
Keenan Duggal	Jonikas
Rachel Hsu	Toettcher
Corazón Núñez	Cristea
Haley Tran	Petry
Karen Yang	Notterman
Dinie Zheng	Conway

## Group 3: Discussion Leader: Dr. Sergey Ryabichko, SCH 318

Name	Advisor
Stephano Boyer-Paulet	Shaevitz
Bhoomika Chowdhary	Wuhr
Judah Guggenheim	Murthy
Sarah Kuo	Gregor
Larry Shue	Kang
Yaakov Zinberg	Kleiner

Group 4: Discussion Leader: Dr. Brooke Husic, SCH 418

Name	Advisor
Katie Cappola	Hughson
Aaron Cohen	Posfai
Ella Kaage	Mallarino
Meryl Liu	Wingreen
Mina Elzawawy	Gitai
Emily Schoeman	Ploss
Michelle Yoon	Bassler

Group 5: Discussion Leader: Dr. Ofer Kimchi, LTL 222

Name	Advisor
Weston Carpenter	Te Velthuis
Ye Chen	Donia
Allison Chou	Kang
Varun Devraj	Notterman
Dev Patel	Toettcher
Alex Tsai	Hughson
Katya Williams	Adamson

Group 6: Discussion Leader: Dr. Wenfan Ke, SCH 218

Name	Advisor
Chase Chiang	Schedl
Audrey Czuchna	Devenport
Juliana DaSilva	Schedl
Jacob Hayes	Schwarzbauer
Shelley Heo	Gitai
Faith Meitl	Schwarzbauer



Group 7: Discussion Leader: Dr. Meisam Zaferani, LTL 317

Name	Advisor
Evan DeTurk	Bassler
Julia Garaffa	Donia
Irene Kim	Gavis
Cody Mui	Cristea
Mike Ruttlen	Petry
Rishabh Rout	Raphael

Group 8: Discussion Leader: Dr. Andrea Mariosi, Icahn 280

Name	Advisor
Jeremy Cha	Murphy
Maddy Chong	Murphy
Maria Morales-Salgado	Murphy
Aleigha Reynolds	Wuhr
Olivia Sakaguchi	Ploss
Milan Schillaci	Shvartsman
Tobi Fadugba	Levine

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

Postdoc emails:

Brooke Husic: [husic@princeton.edu](mailto:husic@princeton.edu)

Wenfan Ke: [wk9698@princeton.edu](mailto:wk9698@princeton.edu)

Ofer Kimchi: [okimchi@princeton.edu](mailto:okimchi@princeton.edu)

Jodi Kraus: [jk7039@princeton.edu](mailto:jk7039@princeton.edu)

Brian Mahon: [bpmahon@princeton.edu](mailto:bpmahon@princeton.edu)

Andrea Mariosi: [mariosi@princeton.edu](mailto:mariosi@princeton.edu)

Sergey Ryabichko: [s.ryabichko@Princeton.edu](mailto:s.ryabichko@Princeton.edu)

Meisam Zaferani: [mzaferani@princeton.edu](mailto:mzaferani@princeton.edu)


# Faculty Research Talks

TUESDAYS in Lewis Thomas 003

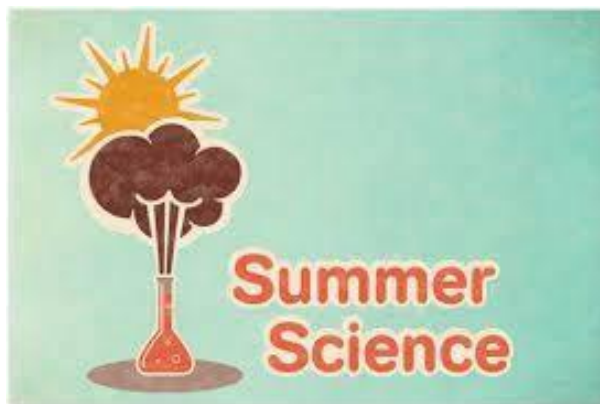
June 7 -July 26, 12:00-1:00pm

*Lunch provided.*

A reminder email will be sent the day before each talk.

Date	Professor	Research Area/Talk Title
June 7	Yuri Pritykin	Utilizing applied statistics, machine learning, and efficient algorithms to address fundamental problems in biology and medicine
June 14	Becky Burdine	Left-right patterning in the vertebrate embryo
June 21	John Brooks	Circadian clock regulation of host-microbe dynamics
June 28	Danelle Devenport	The cell biology of tissue polarity and epithelial patterning
July 5	No Talk scheduled	
July 12	Cameron Myhrvold	CRISPR-based technologies for studying viral and cellular RNA
July 19	John Jimah	Membrane remodeling in human cells and parasites
July 26	TBA	

## Summer Program Contacts



LSI/QCB students contact:

**Jen Girdali**

[jgirdali@princeton.edu](mailto:jgirdali@princeton.edu)

MOL students contact:

**Katie Pyott**

[kpyott@princeton.edu](mailto:kpyott@princeton.edu)