

SUMMER UNDERGRADUATE

RESEARCH PROGRAM

DEPARTMENT OF MOLECULAR BIOLOGY
LEWIS-SIGLER INSTITUTE FOR INTEGRATIVE GENOMICS

Summer 2018



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Calendar of Events

First Week


Date	Event	Time	Location
Monday June 11	Welcome Orientation 1 - Receive a brief overview of the program - Ask questions - Fill out important forms	10:00 – 11:00 a.m.	SCH 107 (1 st floor/lobby)
Tuesday June 12	Welcome Orientation 2 - Receive a brief overview of the program - Ask questions - Fill out important forms	10:00 – 11:00 a.m.	SCH 107 (1 st floor/lobby)
Tuesday June 12	Laboratory Safety Training (see page 9 for details)	1:30-4:30 p.m.	SCH 107
Wednesday June 13	First Research Discussion Group Meetings For groups 1, 2, 3, and 4	12:00 – 1:00 p.m.	LTL/SCH rooms
Wednesday June 13	Intro to Biosafety Training	1:00-2:00 p.m.	LTL 003
Thursday June 14	First Research Discussion Group Meetings For groups 5, 6, 7 and 8	12:00 – 1:00 p.m.	LTL rooms

Weekly and Special Events

Weekly Events

Date	Event	Time	Location
Tuesdays (Jun 19 – July 31)	Faculty Research Talks (page 27) <i>The first talk is Tuesday, June 19.</i> Please RSVP online by noon the Friday before each talk. https://www.surveymonkey.com/r/SURP18talks	12:30 – 1:30 p.m.	SCH 107 (1 st floor/ lobby)
Wednesdays (Jun 20 – Aug 1)	Research Discussion Weekly Group Meetings For groups 1, 2, 3, and 4	4:00 – 5:00 p.m.	LTL rooms
Thursdays (Jun 21 – Aug 2)	Research Discussion Weekly Group Meetings For groups 5, 6, 7 and 8	4:00 – 5:00 p.m.	LTL rooms

Special Events

Date	Event	Time	Location
Wednesday June 20	 <p>Efficient Research Workshop with Dr. Geneva Stein</p> <p><i>As researchers, learning to use your time in lab efficiently is essential to successfully moving forward with a project. Outside of learning the science and techniques associated with your project, what can you do to become an efficient researcher? This workshop will touch on many resources, techniques and behaviors that you can employ to get the most out of your research experience whether you are here for the summer or working over the summer to start your senior research project.</i></p> <p>Please RSVP: https://www.surveymonkey.com/r/SURP18ResWrkshp</p>	9:00 – 10:00 a.m.	LTL 005

Thursday
June 28



Graduate School Information Session with Professor Mohamed Donia and Dean Vanessa Gonzalez-Perez

Thinking about applying to graduate school? Dr. Donia will provide advice about the application process and also answer any questions you may have. Lunch served.

Please RSVP online by noon Monday, June 25.
<https://www.surveymonkey.com/r/GSInfoSession>

5:30 – 6:30 p.m. SCH 107

Thursday
July 5

**“Pathway to PhD” Talk
Speakers TBD**

Thinking about applying to graduate school? We will discuss the post-graduation pathway of obtaining a PhD and field your questions. Lunch served.

Please RSVP for the talk at:
<https://www.surveymonkey.com/r/PathwayToPhD18>

12:30 – 1:30 p.m. SCH 107

Friday
July 13



**“How to Prepare a Poster” Workshop
with Dr. Vanessa Gonzalez-Perez**

A workshop detailing the do’s and don’ts of effective research poster design.

Please RSVP for the Poster Workshop at:
<https://www.surveymonkey.com/r/SURP18Poster>

12:30 – 1:30 p.m. SCH 107

<p>Tuesday July 24</p>	<p>Career Symposium</p> <p><i>Former students return to discuss an assortment of interesting career paths. Dinner served.</i></p> <p><i>Past Symposium Speakers Include:</i></p> <ul style="list-style-type: none"> • <i>MD/PhD student at Robert Wood Johnson/Princeton University.</i> • <i>Research Assistant at the Science & Technology Policy Institute</i> • <i>Scientific Associate at DE Shaw Research.</i> • <i>Medical Copywriter at AgencyRx.</i> • <i>Harvard Law Student studying biotech law</i> <p>Please RSVP: https://www.surveymonkey.com/r/SURP18CarSymp</p>	<p>6:30 – 7:30 p.m.</p>	<p>SCH 107</p>
<p>Monday July 30</p>	<p>Graduate Student Panel</p> <p><i>Current Princeton Graduate Students will offer insight and advice on undergraduate research and writing a personal statement as well as discuss the graduate school application/interview process and graduate student life.</i></p> <p>Please RSVP: https://www.surveymonkey.com/r/SURPGrdPnl</p>	<p>12:00- 1:00 p.m.</p>	<p>SCH 107</p>
<p>Thursday August 9</p>	<p>Poster Session (page 28)</p>	<p>2:30 – 5:00 p.m.</p>	<p>Icahn Atrium</p>
	<p>Poster Session/Closing Dinner</p> <p>Please RSVP online by noon Monday, August 6. https://www.surveymonkey.com/r/2018SURPDnr</p>	<p>5:00 – 6:30 p.m.</p>	<p>Icahn Atrium</p>

Poster Session Schedule

Date	Event	Time	Location
Tuesday July 31	Deadline to submit abstracts. Students email the final draft of their abstracts to Joel Boggess at jboggess@princeton.edu	No later than 4:00 p.m.	
Thursday August 2	Deadline to request poster printing. Students should follow instructions they'll receive from Melissa DiMeglio in late July.	No later than 4:00 p.m.	
Monday August 6	Deadline to RSVP for Closing Dinner at: https://www.surveymonkey.com/r/2018SURPDnr	No later than 12:00 p.m.	
Wednesday August 8	Students put up posters in the afternoon.	Starting at 3:00 p.m.	Carl Icahn Atrium
Thursday August 9	Poster Session (page 28)	2:30 – 5:00 p.m.	Carl Icahn Atrium
	Poster Session/Closing Dinner	5:00 – 6:30 p.m.	Carl Icahn Atrium
Friday August 10	Last day of program <i>*Students should take down their posters after poster session on Thursday evening. The boards will be removed early Friday morning.</i>		

MOL/QCB Summer Program Students

Name	Advisor	Institution
Jacob Adkins	Petry	Princeton University
Nicholas Archer	Ploss	Princeton University
Ruchita Balasubramanian	Gregor	Princeton University
Destiny Batton	Nelson	University of California- Los Angeles
Julia Casazza	Murphy	Princeton University
Daniel Che	Buschman	Princeton University
Shuqi Chen	Wang	Zhejiang University
Zhenhong Chen	Korenykh	Howard University
Shuyuan Cheng	Kang	Zhejiang University

Name	Advisor	Institution
Leo Choi	Murphy	Princeton University
Annie (Yoolim) Choi	Levine	Princeton University
Farion Cooper II	Kocher	Howard University
Daniela Coronado	Bassler	Princeton University
Joseph Crapse	Wuhr	Princeton University
Kerri Davidson	Burdine	Princeton University
Sofia Dimitriadoy	Kang	Princeton University
Ashley Drengler	Schwarzbauer	Princeton University
Kerry Farlie	Notterman	Princeton University
Courtnei Foster	Troyanskaya/Levine	Howard University
Samuel Garfinkle	Hyster	Princeton University
Valeria Gerena	Silhavy	University of Puerto Rico
Jessica Goehring	Donia	Princeton University
Raymond Guo	Ploss	Princeton University
Kristian Harris	Gitai	Howard University
Zhi-Shan Hsu	Enquist	Princeton University
Yechen Hu	Norman	Princeton University
Danielle Isakov	Toettcher	Princeton University
Sophia Jackman	Akey	Harvard University
Benjamin Jacobson	Notterman	Princeton University
Artem Khan	Rabinowitz	Princeton University
Pelumi Kolawole	Ploss	Howard University
Joyce Lee	Yan	Princeton University
Sally (Ju Young) Lee	Burdine	Princeton University
Sarah Lee	Hughson	Princeton University
Kirit Limperis	Toettcher	Princeton University
Gabe Lipkowitz	Ploss	Princeton University
Chaozhong Liu	Notterman	Zhejiang University
Jelani Lyda	Levine	Howard University
Christina Matl	Wang	Princeton University

Name	Advisor	Institution
John McEnany	Wingreen	Princeton University
Isabel Medlock	Tamir	Princeton University
Kennedy Miller	Buschman	Princeton University
Noam Miller	Norman	Princeton University
Janelle Nelson	Wingreen	Howard University
Phoebe Nelson	Petry	Florida International University
Eva Parisi	Muir	Princeton University
Olivia Parker	Avalos	Princeton University
Brooke Phillips	Devenport	Princeton University
Anagha Prasanna	Muir	Princeton University
Justin Ramos	Gitai	Princeton University
Ellie Randolph	Schwarzbauer	Princeton University
Jose Reyes	Wuhr	University of Puerto Rico
Denay Richards	Gavis	Princeton University
Joseph Ryu	Troyanskaya	Princeton University
Nicholas Schmeller	Mittal	Princeton University
Yoni Schoenberg	Shenk	Princeton University
Sara Shatela	Gavis	California State University- Northridge
Jessica Sheng	Silhavy	Princeton University
Anoopkumar Sonar	Anirudha	Princeton University
Yanilka Soto	Devenport	University of Puerto Rico
Ashley Stone	Zakian	Princeton University
Samvida Sudheesh Venkatesh	Cristea	Princeton University
Dominique Summerville	Bassler	Princeton University
Tingting (Xiaoting) Sun	Wang	Princeton University
Amy Tien	Cristea	Princeton University
Annan Timon	Toettcher	Princeton University
Awele Utomi	Schwarzbauer	Howard University
Kelly Van Baalen	Jonikas	Princeton University
Nancy Wenger	Levine	Princeton University

Name	Advisor	Institution
Brittany Williams	Toettcher	University of Arizona
Lillian Wilkins	Schedl	Princeton University
Lucy Williamson	Donia	Princeton University
Scott Wolf	Ayroles/ Shaevitz	University of Arkansas - Little Rock
Evelyn Wu	Ploss	Princeton University
Tian Xia	Kang	Zhejiang University
Yihua Xie	Jonikas	Princeton University
Hyungjun Yoon	Levine	Princeton University

Laboratory & Biosafety Training

Date: Tuesday, June 12

Location: SCH 107 (ground floor)

Time: 1:30- 4:30 PM.



Laboratory Safety Training – 1:30-4:30 p.m.

Conducted by staff from Environmental Health and Safety

Date: Wednesday, June 13

Location: LTL 003

Time: 1-2 PM.

Biosafety in the Laboratory Training - 1:00-2:00 p.m.

Conducted by Jacqueline Wagner - Assistant Director, Environmental Health & Safety -

jw6@princeton.edu

EHS Website: <https://ehs.princeton.edu/>

The following students must attend as indicated in the chart.

Please let [us](#) know if you are working on a computational project only and will not be doing any wet lab work over the summer.

Lab safety training for ISC 231-232 courses does not satisfy the full laboratory safety training requirement and cannot be substituted.

Name	Advisor	Institution	Status (need vs. completed)
Jacob Adkins	Petry	Princeton University	Completed
Nicholas Archer	Ploss	Princeton University	Completed
Ruchita Balasubramanian	Gregor	Princeton University	Completed
Destiny Batton	Nelson	University of California- Los Angeles	Both Biosafety and Lab Safety
Emma Briger			Both Biosafety and Lab Safety
Julia Casazza	Murphy	Princeton University	Completed
Daniel Che	Buschman	Princeton University	Completed
Shuqi Chen		Zhejiang University	Both Biosafety and Lab Safety
Zhenhong Chen	Korennykh	Howard University	Both Biosafety and Lab Safety
Shuyuan (Kat) Cheng		Zhejiang University	Both Biosafety and Lab Safety
Annie (Yoolim) Choi	Levine	Princeton University	Completed
Leo Choi	Murphy	Princeton University	Completed
Farion Cooper II	Kocher	Howard University	Both Biosafety and Lab Safety
Daniela Coronado	Bassler	Princeton University	Completed
Joseph Crapse	Wuhr	Princeton University	Completed
Kerri Davidson	Burdine	Princeton University	Completed
Sofia Dimitriadoy	Kang	Princeton University	Completed
Ashley Drengler	Schwarzbauer	Princeton University	Completed
Kerry Farlie	Notterman	Princeton University	Completed
Courtnei Foster	Troyanskaya/Levin	Howard University	Both Biosafety and Lab Safety
Samuel Garfinkle	Hyster, Todd	Princeton University	Completed
Valeria Gerena	Silhavy	University of Puerto Rico	Both Biosafety and Lab Safety
Jessica Goehring	Donia	Princeton University	Completed

Name	Advisor	Institution	Status (need vs. completed)
Raymond Guo	Ploss	Princeton University	Completed
Kristian Harris	Gitai	Howard University	Both Biosafety and Lab Safety
Zhi-Shan Hsu	Enquist	Princeton University	Completed
Yechen Hu	Norman	Princeton University	Completed
Danielle Isakov	Toettcher	Princeton University	Completed
Sophia Jackman	Akey	Harvard University	Both Biosafety and Lab Safety
Benjamin Jacobson	Notterman	Princeton University	Completed
Artem Khan	Rabinowitz	Princeton University	Both Biosafety and Lab Safety
Oluwapelumi Kolawole	Ploss	Howard University	Both Biosafety and Lab Safety
Joyce Lee	Yan	Princeton University	Completed
Sally (Ju Young) Lee	Burdine	Princeton University	Completed
Sarah Lee	Hughson	Princeton University	Completed
Kirit Limperis	Toettcher	Princeton University	Completed
Gabe Lipkowitz	Ploss	Princeton University	Completed
Chaozhong Liu		Zhejiang University	Both Biosafety and Lab Safety
Jelani Lyda	Levine	Howard University	Both Biosafety and Lab Safety
Christina Matl	Wang	Princeton University	Completed
John McEnany	Wingreen	Princeton University	Lab safety
Isabel Medlock	Tamir	Princeton University	Completed
Kennedy Miller	Buschman	Princeton University	Both Biosafety and Lab Safety
Noam Miller	Norman	Princeton University	Completed
Janelle Nelson	Wingreen	Howard University	Both Biosafety and Lab Safety

Name	Advisor	Institution	Status (need vs. completed)
Phoebe Nelson	Petry	Florida International University	Both Biosafety and Lab Safety
Eva Parisi	Muir	Princeton University	Completed
Olivia Parker	Avalos	Princeton University	Completed
Brooke Phillips	Devenport	Princeton University	Completed
Anagha Prasanna	Muir	Princeton University	Completed
Justin Ramos	Gitai	Princeton University	Completed
Ellie Randolph	Schwarzbauer	Princeton University	Completed
Jose Reyes	Wuhr	University of Puerto Rico	Both Biosafety and Lab Safety
Denay Richards	Gavis	Princeton University	Completed
Joseph Ryu	Troyanskaya	Princeton University	Completed
Nicholas Schmeller	Mittal	Princeton University	Completed
Yoni Schoenberg	Shenk	Princeton University	Completed
Sara Shatela	Gavis	CALIF State Univ-Northridge	Both Biosafety and Lab Safety
Jessica Sheng	Silhavy	Princeton University	Completed
Anoopkumar Sonar	Majumdar	Princeton University	Completed
Yanilka Soto	Devenport	University of Puerto Rico	Both Biosafety and Lab Safety
Ashley Stone	Zakian	Princeton University	Completed
Samvida Sudheesh Venkatesh	Cristea	Princeton University	Completed
Dominique Summerville	Bassler	Princeton University	Completed
Tingting (Xiaoting) Sun	Wang	Princeton University	Completed
Amy Tien	Cristea	Princeton University	Completed
Annan Timon	Toettcher	Princeton University	Completed
Awele Utomi	Scharzbauer	Howard University	

Name	Advisor	Institution	Status (need vs. completed)
Kelly Van Baalen	Jonikas	Princeton University	Completed
Nancy Wenger	Levine	Princeton University	Completed
Lillian Wilkins	Schedl	Princeton University	Completed
Brittany Williams	Toettcher	University of Arizona	Both Biosafety and Lab Safety
Lucy Williamson	Donia	Princeton University	Completed
Scott Wolf	Ayroles/ Shaevitz	University of Arkansas-Little Rock	Both Biosafety and Lab Safety
Evelyn Wu	Ploss	Princeton University	Completed
Tian (Summer) Xia		Zhejiang University	Both Biosafety and Lab Safety
Yihua Xie	Jonikas	Princeton University	Completed
Hyungjun Yoon	Levine		Both Biosafety and Lab Safety

Radiation Safety Training



Students in rad labs who will **not** be using radioactive materials will need to complete the online *Radiation Safety Awareness Training for Non-Radioisotope Users*. Log into www.princeton.edu/training, and follow Training by Department > Environmental Health & Safety > Radiation Safety > *Radiation Safety Awareness Training for Non-Radioisotope Users*. After you submit the form, you and your lab manager will receive an email confirming that you completed the training from Ms. Caitlin Root, Radiation Safety Specialist, Environmental Health and Safety. croot@princeton.edu.

The students listed below must complete the online *Radiation Safety Awareness Training for Non-Radioisotope Users* before starting in the lab:

Full Name	Advisor	Institution
Daniela Coronado	Bassler	Princeton University
Artem Khan	Rabinowitz	Princeton University
Eva Parisi	Muir	Princeton University
Anagha Prasanna	Muir	Princeton University
Ashley Stone	Zakian	Princeton University

Dominique Summerville	Bassler	Princeton University
Lillian Wilkins	Schedl	Princeton University

- **Please note:** Any student who discovers that they will be working on a project that involves radioactive material or x-ray equipment **must** contact Ms. Caitlin Root at croot@princeton.edu to receive additional radiation safety training.

Additional Safety Training

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

Animal User Training

If you have any questions, please contact Susie Chow - Associate Director, Research Resources at siuchow@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.

All animal users must complete the following steps in order to receive access to animal facilities:
(Please note: Steps 3 and 4 should be started at the same time.)

- 1. Complete the required AALAS Learning Library (ALL) training.**
 - a) The information on the required course and how to register with the ALL can be found at: <http://www.princeton.edu/ria/animal-research-protectio/training/>
 - b) Follow the instructions under “Enroll in AALAS Learning Library”.
 - c) Complete the "Princeton University -- All Personnel" track which contains "Working with the IACUC: Working with the IACUC: non-VA version".
 - d) Also complete the animal-specific tracks pertaining to the species and type of work you will be doing. See the training list and details under the [AALAS Learning Library Training Requirements](#) section.
 - e) Print out the transcript of the exams results. You will need to bring these to the facility tour and orientation later on.
- 2. Complete Animal Worker Health and Safety training and enroll in medical surveillance for the species you will handle and the facilities you may enter.**

- a) Training is accessible on the EHS website:
<http://web.princeton.edu/sites/ehs/biosafety/biosafetypage/animal.htm>
You need your net ID and password to log in to the training.
- b) At the completion of training, you will be directed to the Initial Health History Form:
<http://ehsapps.princeton.edu/BioSafety%20Forms/healthhistory.php>
Answer the questions on the form and click on the "Submit" button, which sends the completed form to Employee Health Services.
- c) Contact [University Health Services/Employee Health Services](#) at 609-258-5035 for an appointment.
- d) For the location of Employee Health Services, see:
<https://uhs.princeton.edu/using-our-services/location-accessibility>

3. Complete the orientation and facility tour process with Susie Chow, LVT, LATG, Associate Director, Laboratory Animal Resources. The animal facility tour and orientation is the most important step in the process of obtaining access to your animal research room(s).

- a) Contact Susie Chow at siuchow@princeton.edu to schedule an orientation/tour.
- b) Bring the following documentation to orientation:
Verification of test completion of the species specific AALAS Learning Library.
Your PUID number (960*****)

4. Submit an Administrative Amendment Form (attached to email) to iacuc@princeton.edu

- a) Please have your lab PI, manager, or lab mentor assist you with this form. Please use the verbiage below to save a little time on the review process. Generally speaking, most students do not have any previous experience with research animals or the procedures on the animal protocols. A great way to answer the question on experience is to state something like:

"{insert name} has no previous experience working with {insert species}. He/She will be trained by {insert name of trainer} to perform {insert basic names of procedures}."
The trainer should already be on the animal protocol.

Laser Safety Training

Students who require this training will be notified by email or by their lab manager or mentor. The 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/laser-safety-training>

General sessions are posted on the campus training management site –

<http://www.princeton.edu/training>

Email [Steve Elwood](mailto:Steve.Elwood) or call (609-258-6271) to schedule additional sessions.

Bloodborne Pathogen Training

Students who require this training will be notified by email or by their lab manager or mentor.

Any person who handles blood or certain other body fluids as part of their job, or whose job responsibilities include activities that might expose them to such body fluids is required to understand the potential hazards of such exposure and receive Bloodborne Pathogens training.

This training is provided on-line via a web-based interactive program and must be completed before initial exposure on the job.

Instructions:

Go to the Employee Learning Center site: <http://www.princeton.edu/training>

You will need to log in using your Princeton NetID and password.

Click on Training by Department > Environmental Health & Safety.

On the Environmental Health & Safety tab (1st tab), click on Biological Safety.

Scroll down to “Bloodborne Pathogens Training for Research Staff” and click the “Click here to start this course” link to access and complete the training.

Contact Jacqueline Wagner, Assistant Director, Environmental Health and Safety,
at jw6@princeton.edu or at 258-1427 with any questions and for more information.

Research Discussion Groups

Wednesday or Thursday Afternoons

- 12:00-1:00 p.m. on June 13 and June 14 only. Lunch provided.
- 4:00-5:00 p.m. from June 20 – Aug 02.

Please note: The first research group meetings will be held at 12:00 p.m. during orientation week. Subsequent research group meetings will be held weekly at 4:00 p.m.

- 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.
- Useful information for preparing and delivering presentations may be found online at:
 - Do's and Don'ts of Poster Presentation by Steven M. Block
 - <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1233841/pdf/biophysj00042-0617.pdf>
 - Dazzle 'em with Style: The Art of Oral Scientific Presentation by Robert R H Anholt
 - <http://www.physics.ohio-state.edu/~wilkins/writing/Supp/dazzle.html>
 - Scientifically Speaking: Tips for Preparing and Delivering Scientific Talks and Using Visual Aids by Judith P. Rhodes
 - http://tos.org/pdfs/sci_speaking.pdf
- Please see schedule below and pages 19-26 for your group assignments.

Research Discussion Groups Postdoctoral Instructors

Research Group	Instructor Name	First Research Group Meeting 12:00-1:00 p.m.	Weekly Research Group Meetings 4:00-5:00 p.m.
Group 1 Wednesday	Travis Eisemann, PhD (Hughson lab)	LTL 005	LTL 005
Group 2 Wednesday	Matthew Niepielko, PhD (Gavis lab)	LTL 118	LTL 118
Group 3 Wednesday	Benjamin Bratton, PhD (Gitai lab)	LTL 222	LTL 222
Group 4 Wednesday	Tara TeSlaa, PhD (Rabinowitz lab)	LTL 317	LTL 317
Group 5 Thursday	Nicole Templeman, PhD (Murphy lab)	SCH 218 (note- will occur on Friday, 6/15)	SCH 318
Group 6 Thursday	Nicole Aiello, PhD (Kang lab)	LTL 005	LTL 005

Group 7 Thursday	Brian Mahon, PhD (Petry lab)	LTL 118	LTL 118
Group 8 Thursday	Melanie McReynolds, PhD (Rabinowitz lab)	LTL 117	LTL 222

Research Discussion Group Schedules

Group 1 - Wednesday



Discussion Leader: Dr. Travis Eisemann

- June 13: 12:00-1:00pm in **LTL 005**
- June 20-Aug 1: 4:00-5:00pm in **LTL 005**

Name	Advisor	Institution
Jacob Adkins	Petry	Princeton University
Caroline Bernstein	Notterman	New York University
Annie (Yoolim) Choi	Levine	Princeton University
Kerry Farlie	Notterman	Princeton University
Benjamin Jacobson	Notterman	Princeton University
Gabe Lipkowitz	Ploss	Princeton University
Anagha Prasanna	Muir	Princeton University
Yoni Schoenberg	Shenk	Princeton University
Amy Tien	Cristea	Princeton University
Lucy Williamson	Donia	Princeton University

Group 2 - Wednesday

Discussion Leader: Dr. Matthew Niepielko

- June 13: 12:00-1:00pm in **LTL 118**
- June 20-Aug 1: 4:00-5:00pm in **LTL 118**

Name	Advisor	Institution
Nicholas Archer	Ploss	Princeton University
Daniela Coronado	Bassler	Princeton University
Jessica Goehring	Donia	Princeton University
Joyce Lee	Yan	Princeton University
Christina Matl	Wang	Princeton University
Justin Ramos	Gitai	Princeton University
Jessica Sheng	Silhavy	Princeton University
Annan Timon	Toettcher	Princeton University
Evelyn Wu	Ploss	Princeton University
Tian (Summer) Xia	Kang	Zhejiang University

Group 3 - Wednesday

Discussion Leader: Dr. Benjamin Bratton

- June 13: 12:00-1:00pm in **LTL 222**
- June 20-Aug 1: 4:00-5:00pm in **LTL 222**

Name	Advisor	Institution
Ruchita Balasubramanian	Gregor	Princeton University
Joseph Crapse	Wuhr	Princeton University
Raymond Guo	Ploss	Princeton University
Chaozhong Liu	Notterman	Zhejiang University
Eva Parisi	Muir	Princeton University
Ellie Randolph	Schwarzbauer	Princeton University
Ashley Stone	Zakian	Princeton University
Kelly Van Baalen	Jonikas	Princeton University
Yihua Xie	Jonikas	Princeton University

Group 4 - Wednesday

Discussion Leader: Dr. Tara TeSlaa

- June 13: 12:00-1:00pm in **LTL 317**
- June 20-Aug 1: 4:00-5:00pm in **LTL 317**

Name	Advisor	Institution
Julia Casazza	Murphy	Princeton University
Shuqi Chen	Wang	Zhejiang University
Shuyuan (Kat) Cheng	Kang	Zhejiang University
Kerri Davidson	Burdine	Princeton University
Zhi-Shan Hsu	Enquist	Princeton University
Sarah Lee	Hughson	Princeton University
Olivia Parker	Avalos	Princeton University
Denay Richards	Gavis	Princeton University
Samvida Sudheesh Venkatesh	Cristea	Princeton University
Nancy Wenger	Levine	Princeton University

Group 5 – Thursday (first meeting will occur on Friday, June 15)

Discussion Leader: Dr. Nicole Templeman

- **Friday June 15: 12:00-1:00pm in [SCH 218](#) (note change of date)**
- June 21-Aug 2: 4:00-5:00pm in [SCH 318](#)

Name	Advisor	Institution
Leo Choi	Murphy	Princeton University
Ashley Drenkler	Schwarzbauer	Princeton University
Danielle Isakov	Toettcher	Princeton University
Sally (Ju Young) Lee	Burdine	Princeton University
Kirit Limperis	Toettcher	Princeton University
Sam Moeller	Shenk	University of San Diego
Brooke Phillips	Devenport	Princeton University
Joseph Ryu	Troyanskaya	Princeton University
Dominique Summerville	Bassler	Princeton University
Lillian Wilkins	Schedl	Princeton University

Group 6 - Thursday

Discussion Leader: Dr. Nicole Aiello

- June 14: 12:00-1:00pm in **LTL 005**
- June 21-Aug 2: 4:00-5:00pm in **LTL 005**

Name	Advisor	Institution
Samuel Garfinkle	Hyster	Princeton University
Kristian Harris	Gitai	Howard University
Jelani Lyda	Levine	Howard University
John McEnany	Wingreen	Princeton University
Noam Miller	Norman	Princeton University
Phoebe Nelson	Petry	Florida International University
Yanilka Soto	Devenport	University of Puerto Rico – Rio Piedras
Tingting (Xiaoting) Sun	Wang	Princeton University
Awele Utomi	Schwarzbauer	Howard University
Hyungjun Yoon	Levine	Princeton University

Group 7 - Thursday

Discussion Leader: Dr. Brian Mahon

- June 14: 12:00-1:00pm in **LTL 118**
- June 21-Aug 2: 4:00-5:00pm in **LTL 118**

Name	Advisor	Institution
Destiny Batton	Nelson	University of California-Los Angeles
Daniel Che	Buschman	Princeton University
Farion Cooper II	Kocher	Howard University
Valeria Gerena	Silhavy	University of Puerto Rico- Rio Piedras
Yechen Hu	Norman	Princeton University
Oluwapelumi Kolawole	Ploss	Howard University
Isabel Medlock	Tamir	Princeton University
Jose Reyes	Wuhr	University of Puerto Rico –Rio Piedras
Nicholas Schmeller	Mittal	Princeton University
Brittany Williams	Toettcher	University of Arizona

Group 8 - Thursday

Discussion Leader: Dr. Melanie McReynolds

- June 14: 12:00-1:00pm in **LTL 117**
- June 21-Aug 2: 4:00-5:00pm in **LTL 222** (please note room change)

Name	Advisor	Institution
Zhenhong Chen	Korenykh	Howard University
Sofia Dimitriadoy	Kang	Princeton University
Courtnei Foster	Troyanskaya/Levine	Howard University
Sophia Jackman	Akey	Harvard University
Artem Khan	Rabinowitz	Princeton University
Kennedy Miller	Buschman	Princeton University
Janelle Nelson	Wingreen	Howard University
Sara Shatela	Gavis	California State University- Northridge
Anoopkumar Sonar	Majumdar	Princeton University
Scott Wolf	Ayroles/ Shaevitz	University of Arkansas- Little Rock

Faculty Research Talks



TUESDAYS

June 19-July 31st, 12:30-1:30 p.m.

Schultz 107

Please sign-up online for each faculty talk by noon the Friday before the talk at:

<https://www.surveymonkey.com/r/SURP18talks>

Date	Professor	Research/Talk Title
June 19	Yibin Kang	Developing novel therapeutics against aggressive breast cancer
June 26	Martin C. Jonikas	Systems and Synthetic Biology of Photosynthetic Organisms
July 3	Bonnie Bassler	Bacterial Quorum Sensing and its Control
July 10	Mohamed S. Donia	Imaging Exit Of Single Herpesvirus Particles From Living Cell
July 17	Sabine Petry	Transcriptional enhancers in animal development and evolution
July 24	Rebecca D. Burdine	Measuring brain activity and behavior in a simple worm
July 31	Ricardo Mallarino	The molecular basis of phenotypic diversity

Faculty talk attendees will be served lunch.

Please be considerate to the faculty speaker and to your fellow students; please do not disrupt the seminar by leaving before the talk has ended (unless necessary*).

*Please let the speaker know beforehand if you must leave early for a lab task or meeting.

Keys & Building Access

➤ Princeton students

Your Princeton ID card will give you access to Lewis Thomas (LTL), Schultz (SCH), Moffett (MOF), Guyot (GUY), and Icahn (CIL) exterior and tunnel doors during off-hours. Your card should also have lab access if your lab has a card entry.

➤ Visiting students

Your prox card/fob issued by Conference Services will give you access to Lewis Thomas (LTL), Schultz (SCH), Moffett (MOF), Guyot (GUY), and Icahn (CIL) exterior and tunnel doors during off-hours.

➤ All students

- **For keys and/or prox issues for labs located in Lewis Thomas (LTL), Schultz (SCH), Moffett (MOF) or Guyot (GUY) buildings:**

Please contact Michael Fredericks at mfrederi@princeton.edu. You will need to pick up your key from his office in [Guyot Hall](#), room B-2 (lower/basement level).

- **For keys and/or prox issues for labs located Icahn (CIL) building:**

Please email Deb Grant at dg4@princeton.edu. You will need to pick up your key from her office in [Icahn Lab](#), room 071 (lower/basement level).

Parking

- Parking permits will be issued to any student wishing to park on campus.

➤ Princeton students

Please report to Parking and Transportation Office to apply for a permit (New South Building, A Floor) <http://www.princeton.edu/parking/>

➤ Visiting students

Please register your car with Conference Services to learn where to park. http://www.princeton.edu/parking/Parking_Lots.pdf

- Public Safety will issue warnings on Monday June 11th. After that you will be ticketed.

Network Info

➤ Visiting Students

A temporary Princeton University ID number, netID and email address has been created for you. To set up your account, please consult the email from OIT you received in April. Once the steps are completed, you will have access to your Princeton email account and the University network. OIT Account Activation info: <http://helpdesk.princeton.edu/kb/display.plx?ID=9973>

You can access your Princeton email account using **Exchange Webmail (OWA)**: <http://www.princeton.edu/main/tools/webmail/>

You can use "eduroam" for secured wireless access on campus. You can also temporarily connect to "puvisitor" and "test-puvisitor" for wireless access on campus. Your eduroam login is your Princeton netID + @princeton.edu (netID@princeton.edu). Eduroam instructions: <http://helpdesk.princeton.edu/kb/display.plx?ID=8020>

➤ **Princeton Students**

If you left campus during the break, you may not have network access. Dorm Internet access over the summer can be obtained at www.princeton.edu/dormnet

Monitoring Of Illegal Downloads

Princeton University Policies and Regulations:

"Members of the University community who engage in any activity that infringes copyright-protected materials may be subject to disciplinary action. Under circumstances involving repeated instances of infringement through the use of the University's computing network, such disciplinary action may include the termination or suspension of network privileges."

Civil or criminal action also may result from infringing activity.

Information about appropriate uses of University technology may be found in the University's core IT policy document (<http://www.princeton.edu/itpolicy/>). Additional information about copyright and technology at the University may be seen in "Guard against illegal use of copyrighted materials" (<http://kb.princeton.edu/9407>) and the "Copyright Basics" page published by Office of General Counsel (<http://web.princeton.edu/sites/ogc/copyrightbasics.htm>). More information regarding copyright generally may be viewed at the United States Copyright Office web site (www.copyright.gov).

Fear of litigation should not be our reason for respecting the intellectual property rights of others. However, given the reality of increasingly aggressive legal action on the part of the entertainment industry, we encourage all members of the University community to be particularly mindful of our copyright policy and to consult the above-cited resources for further guidance as circumstances require.

Thank you for observing University policy and, in advance, for your cooperation in helping to raise awareness among others who may need the reminder

Poster Session

Share your summer research with members of the Princeton University scientific community!

Thursday, August 9

2:30-5:00 p.m.

Carl Icahn Atrium

Dinner served afterwards: Please RSVP by noon, Monday, Aug 6 at: <https://www.surveymonkey.com/r/2018SURPDnr>

Abstracts:

All stipend-paid students must submit an abstract of their summer research. The abstract should fit on one page and be 250 words. Make sure that your abstract has a title, followed by all authors, and then the text. Please underline your name.

To submit an abstract, please email final draft of abstract to Joel at jbogges@princeton.edu by 4:00pm, Tuesday, July 31 so it can be included in the abstract book.

Poster Printing:

In late July, Melissa will email you the instructions and a link to the required form to get your poster printed out as an entire sheet. The form will be due by 4:00pm, Thursday, August 2.

MICROSOFT ADOBE PDF/POWERPOINT:

The preferred application to create posters is Adobe Acrobat PDF format. Alternately, Microsoft PowerPoint for the PC files submitted in will also be accepted (Mac users should confirm that the file opens correctly in PowerPoint PC).

PAGE SETUP:

The PowerPoint file should be a single slide with the file page setup size set to 44" wide by 36" high in landscape mode. Allow for a ½ inch margin.

COLOR and FILE SIZE:

Individual figures and illustrations and text should use high contrast colors, as the poster printer output may differ from the output of a computer monitor. A white background is recommended. Fancy and solid backgrounds often cause problems during the printing process, are more costly and often times will not print at all. Avoid unusual fonts and keep file size to less than 18 MB (megabytes) or it won't print.

PROOFREAD:

Print a small draft on your local printer. Carefully proofread and review your poster file to-be-printed before submitting it. We will be unable to re-print any posters.



Summer Program Contacts

Students with questions

regarding research

Please contact Program Director:

Vanessa González-Pérez, PhD

9A Guyot Hall

vanessagp@princeton.edu

609-258-9623



Students with administrative questions

Visiting students contact:

Joel Boggess

Program Coordinator

009 Guyot Hall

jboggess@princeton.edu

609-258-9794

Princeton students contact:

Melissa DiMeglio

Undergraduate Administrator

119E Thomas Laboratory

md20@princeton.edu

609-258-9455