



Cold Spring Harbor Laboratory  
MEETINGS & COURSES PROGRAM

# Drosophila Neurobiology: Genes, Circuits & Behavior

July 1 – 21, 2022  
Beckman Laboratory (Top Floor)

---

## INSTRUCTORS:

C. Andrew Frank	University of Iowa, Iowa City IA
Ellie Heckscher	University of Chicago, Chicago IL
Timothy Mosca	Thomas Jefferson University, Philadelphia PA

## ASSISTANTS:

Michael Aimino	Thomas Jefferson University, Philadelphia PA
Noah Armstrong	University of Iowa, Iowa City IA
Alison DePew	Thomas Jefferson University, Philadelphia PA
Sven Dorkenwald	Princeton University, Princeton NJ
Jake Henderson	University of Chicago, Chicago IL
Bhagaban Mallik	University of Iowa, Iowa City IA
David Tadres	University of California, Santa Barbara, Goleta CA
Deeptha Vasudevan	University of Chicago, Chicago IL
Ruiling Zhang	University of Chicago, Chicago IL

## PARTICIPANTS:

Noor Al-Hajri	King's College London, London, United Kingdom
Braedyn Au	Yale University, New Haven CT
Isabella Beckett	MRC Laboratory of Molecular Biology, Cambridge, United Kingdom
Sarah Boothman	Carnegie Mellon University, Pittsburgh PA
Lydia Borjon	Indiana University, Bloomington IN
Tariq Brown	Brown University, Providence RI
Lautaro Duarte	University of Buenos Aires, Capital Federal, Argentina
Stephen Ferguson	St. Norbert College, De Pere WI
Emily Hendricks	Southern Illinois University Edwardsville, Edwardsville IL
Iain Hunter	University of Manchester, Manchester, United Kingdom
Victor Lobato Rios	École polytechnique fédérale de Lausanne (EPFL), Lausanne, Switzerland
Marina Piacenti-Silva	São Paulo State University, Bauru, Brazil
Ana Ricciuti	Friedrich Miescher Institute (FMI), Basel, Switzerland
Anastasia Slavutsky	UNC Chapel Hill, Chapel Hill NC



**Drosophila Neurobiology:  
Genes, Circuits & Behavior**  
**June 30 to July 21, 2022**  
**Beckman Laboratory (Top Floor)**

Friday, July 01, 2022		
9:00 am	CSHL Intros, Safety Training, Student Presentation  Lecture: Ethics, Rigor, Reproducibility, Start of Boot Camp	<i>Various  Instructors</i>
1:00 pm	Anatomy / Cell biology / Why the fly? Topics in <i>Drosophila</i> Genetics	<i>Instructors</i>
7:00 pm	Lab Tools Set-Up Introduction to the Lab Social Soldering	<i>Instructors Andy Frank</i>

Saturday, July 02, 2022		
9:00 am	Lecture and Lab Embryos & ICC & Embryo Staging	<i>Ellie Heckscher</i>
1:00 pm	Lecture Neuronal Stem Cells	<i>Ellie Heckscher</i>
7:00 pm	Lecture Microscopy	<i>Tim Mosca</i>

Tuesday, July 05, 2022		
9:00 am	Lecture NMJ Development	<i>Tim Mosca</i>
7:00 pm	Lecture Disease Modeling in <i>Drosophila</i>	<i>Martha Bhattacharya</i>

Thursday, July 07, 2022		
9:00 am	Lecture Algorithms Controlling Sensory Navigation	<i>Matthieu Louis</i>
7:00 pm	Lecture Sensory Integration and Information Processing	<i>Sung Soo Kim</i>

Friday, July 08, 2022		
9:00 am	Lecture Nociception in <i>Drosophila</i>	<i>Dan Tracey</i>



# Cold Spring Harbor Laboratory

## MEETINGS & COURSES PROGRAM

4:00 pm	Lecture BioRxiv	<i>John Inglis</i>
7:00 pm	Lecture Neuronal Cell Biology	<i>Zach Freyberg</i>

### Saturday, July 09, 2022

9:00 am	Lecture Ephys in the Drosophila CNS	<i>Nara Muraro</i>
---------	--	--------------------

### Sunday, July 10, 2022

9:00 am	Lecture Circadian Rhythms and ePhys of Clock Neurons	<i>Nara Muraro</i>
7:00 pm	Lecture Glia	<i>Jaeda Coutinho-Budd</i>

### Monday, July 11, 2022

9:00 am	Lecture Vision in Flies	<i>Michael Reiser</i>
7:00 pm	Lecture Tools	<i>Ben White</i>

### Tuesday, July 12, 2022

9:00 am	Lecture Circadian Sleep and Evolution	<i>Alex Keene</i>
7:00 pm	Joint Session with ATMN	<i>Cagla Eroglu</i>

### Thursday, July 14, 2022

9:00 am	Network Analysis	<i>Wei-chung Allen Lee</i>
1:00 pm	Connectomics	<i>Wei-chung Allen Lee</i>
7:00 pm	Building A Functional Map of Fruit Fly Brain	<i>Aurel Lazar</i>

### Friday, July 15, 2022

9:00 am	Lecture and Lab Central Brain Ca <sup>2+</sup> -Imaging	<i>Seth Tomchik</i>
7:00 pm	Lecture Dendrite Development and Pupariation	<i>Adrian Moore</i>



**Cold Spring Harbor Laboratory**  
MEETINGS & COURSES PROGRAM

**Saturday, July 16, 2022**

9:00 am	Lecture Neuronal Control of Energy Balance	<i>Tania Reis</i>
7:00 pm	Lecture Primarily Undergraduate Institutions	<i>Pam Vanderzalm</i>

**Sunday, July 17, 2022**

9:00 am	Lecture <b>Social Behavior</b>	<i>Sarah Certel</i> <i>TA</i>
7:00 pm	Lecture Neuromodulation	<i>Joel Levine</i>

**Monday, July 18, 2022**

9:00 am	Lecture Resources of the Fly: FlyBase, BDSC, DGRC	<i>Cale Whitworth</i>
7:00 pm	Featherstone Lecture and Capstone	<i>Damon Clark</i>

