

Yale Department of Physics

Yale Physics Newsletter

February 1, 2019

For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

Hints & Tips!

Welcome to our new hints and tips section! Please email daphne.klemme@yale.edu with any helpful tips that will help us work to our best ability.

Purchase Order Help

To help those who need to approve purchase orders, please make sure to include **the supplier name and charging instructions** in the email message when submitting a purchase order request.

Climate and Diversity Committee News

A Note from the [Climate and Diversity Committee](#) (CDC).

It is graduate admissions season, this timely new [article by Miller et al. in Science Advances](#) examines the effectiveness of typical admissions criteria in identifying students who will complete the Physics Ph.D.

One notable result is that "completion changed by less than 10% for U.S. physics major test takers scoring in the 10th versus 90th percentile on the Quantitative test."

The CDC convenes once a month. If interested in joining please contact Helen Caines (helen.caines@yale.edu, Chair of CDC). You may contact the whole committee at physics-cdc@mailman.yale.edu

News

News from the Library

WORKSHOP ANNOUNCEMENT

SPRING SEMESTER

New Semester, New Workshops

Congratulations on the start of the Spring 2019 semester. New workshops from the StatLab are open for registration.

From **First Steps with R to Web Scraping with Python**, we've got introductory workshops for complete beginners and topical sessions for active users. Registration is required, and spots are

Save the Date

Save the dates! Graduate Recruitment Open House is being held March 28-29, 2019.

Seminars

Monday, February 4

2:30pm in Mann Engineer Student Center (Dunham Lab 107). Special Solid State & Optics Seminar. He Yu, Stanford University, "Towards Higher- T_c Cuprate Superconductors". Host: Prof. Sohrab Ismail-Beigi.

2:30pm in Mason Lab 107. Department of Mechanical Engineering & Materials Science Seminar. Diana Y. Qiu, Lawrence Berkeley Laboratory, "Excitons in Flatland: Exploring and Manipulating Many-body Effects on the Optical Excitations in Quasi-2D Materials". Host: Prof. Udo Schwarz. Refreshments served at 2:15pm.

3:30pm in Sloane Physics Lab 57. Physics Club. Roxanne Guenette, Harvard University, "Neutrinos: From zeros to heroes?". Host: Bonnie Fleming. Tea after the talk outside the lecture hall.

4:00pm in A.K. Watson 200. Computer Science Recruit Colloquium. Natacha Crooks, University of Texas, Austin, "A Client-Centric Approach to Transactional Data-Processing Systems". Host: Zhong Shao.

4:00pm in Sterling Chemistry Lab 160. Department of Chemistry Lecture in Inorganic Chemistry. Connie Lu, University of Minnesota, "Innovating Bimetallic Active Sites for Small-Molecule Catalysis".

4:00pm in Brady Memorial Library. Molecular Biophysics & Biochemistry Seminar. Kevin Collins, University of Miami, "Modulation of a model serotonin motor circuit by mechanical stretch and homeostatic feedback".

Tuesday, February 5

10:30am in A.K. Watson 200. Computer Science Recruit Colloquium. Aishwarya Agrawal, Georgia Tech, "Visual Question Answering and Beyond". Host: Holly Rushmeier.

12:00pm in Wright Lab-Connector 245. WIDG Seminar. Kimmy Cushman, Yale University, "Title TBA".

2:15pm in Mann Engineer Student Center (Dunham Lab 107). Special Solid State & Optics Seminar. Dr. Fabien Lafont, College de France, Paris, "Edge structure in the fractional quantum hold conjugate states". Host: Robert Schoelkopf.

Wednesday, February 6

10:30am in Sloane Physics Lab 51. Graduate Methods Seminar. Mariel Pettee, Yale University, "Generative Choreography using RNNs and GANs".

1:00pm in Mann Engineer Student Center (Dunham Lab 107). Solid State & Optics Seminar. Matteo Mitrano, University of Illinois, Urbana-Champaign, "Emergent nonequilibrium dynamics of complex solids". Host: Prof. Sohrab Ismail-Beigi.

4:00pm in Osborn Memorial Laboratories 202. Department of Molecular, Cellular and Developmental Biology Seminar. Dirk Hockemeyer, University of California, Berkeley, "Elucidating the mechanisms of cellular immortality". Host: Nadya Dimitrova. Tea at 3:45pm.

Thursday, February 7

4:00pm in Wright Lab 216. Wright Lab Book Launch. Physics & Dance by Emily Coates and Sarah Demers. [RSVP Required](#).

4:00pm in A.K. Watson 200. Computer Science Recruit Colloquium. Gierad Laput, Carnegie Mellon University, "Context-Driven Implicit Interactions". Host: Marynel Vázquez.

2:30pm in Watson Center A51. Yale Astronomy & Astrophysics Colloquium. Daryl Haggard, McGill University, "The Life, Death, and Afterlife of GW170817".

Saturday, February 9

9:00am-2:00pm in Sloane Physics Lab. Girls' Science Investigations. Session #3 The Classical to Quantum World.

10:00am-12:00pm in Sterling Chemistry Lab. Science on Saturday. How do animals remember? Using microscopic worms to understand memory.

For more seminars see: <http://physics.yale.edu/calendar>

limited.

[See the schedule and register for a session online.](#)

You can learn more about [workshops from the StatLab](#) or [see all our services](#) on our website.

When you [sign up for our newsletter](#), you'll get updates when new workshops and events are scheduled.

Have a question about something else? Let us know at statlab@yale.edu.

Worklife News

Annual Summer Camp & Programs Fair

The 8th Annual Summer Camp and Programs Fair takes place March 7 from noon-2 p.m. at the Sterling Memorial Library Lecture Hall on central campus.

[Register for the Summer Camp and Programs Fair.](#)

Spring Classes at Payne Whitney Gym

Sign up for a physical education spring class at Payne Whitney Gym. Online registration is now open. With a wide range of options from Yoga to Boot Camp, there's something for everyone!

[Check out class schedules and register.](#)

Declutter–Destress–Donate

The Yale Office of Sustainability, Being Well at Yale, WorkLife, and Yale's Good Life Center are excited to announce the Declutter - Destress - Donate Campaign, February 26 - March 8, 2019. Reduce waste, take a breath, and make a positive difference!

[Learn more about the benefits of decluttering.](#)

Announcements

[Please click here for updates on the Yale Science Building, including a new logistics plan.](#) The project encompasses the construction of a new state of the art

sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.

Yale Housing Fair

Need a place to live?

Members of the Yale community are invited to the 5th annual housing fair (admission free) at 150 York Street on Sunday, February 10, from 1:00-4:00 p.m. Visit property owners and real estate vendors if you are looking for a condo, apartment, or permanent house. [Refreshments, popcorn, photos with Boola, and much more.](#)