

Yale Department of Physics

Yale Physics Newsletter

September 14, 2018

News

Congratulations to **Junjiaia Long** on the successful defense of his dissertation, "From Individual to Collective Behavior: The Role of Memory and Diversity in Bacterial Navigation". His thesis advisor was Thierry Emonet.

Wright Lab will host the second of two identical 1-hour Environmental Health and Safety (EHS) Shop Orientations on Wednesday, September 19 at 2 p.m., in Wright Lab WL-216.

The EHS shop orientation is required for anyone who would like to gain access and make use of the research shops at Wright Lab. This includes the Teaching Shop, the Wood Shop, and the new Advanced Prototyping Lab.

[Click here for more information on the shop facilities at Wright Lab.](#)

[Click here for directions to Wright Lab.](#)

For further information on training requirements please contact:

[Jeffery Ashenfelder](#)

[Karsten Heeger](#)

[To sign up for the EHS orientation please RSVP.](#)

APS Conferences for Undergraduate Women in Physics (CUWIP) 2019

Conference dates are **January 18-20, 2019**. The Application will open on September 3, 2018. [For further information please see CUWIP application page.](#) The application deadline is October 12, 2018.

[Click here for printable version of the poster.](#)

For more news please see <http://physics.yale.edu/news>

Announcements

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](#).

Flu Shot Information

Flu Shot Clinics

Flu shots are free for all Yale staff, faculty, students, seniors and Yale Health members.

Adults and children over 5 years of age can go to any of the flu clinics.

Save the Date

["Symmetries and Order: Algebraic Methods in Many Body Systems" a Symposium in honor of Francesco Iachello](#) on the occasion of his retirement will be held October 5-6, 2018. The Symposium is free but [you must register in advance](#).

Seminars

Monday, September 17 Physics Club. Michel Devoret, Yale University, "Catching and reversing a quantum jump mid-flight", SPL 57 at 3:30pm. Host: Steven Girvin. Tea after the talk outside the lecture room.

Monday, September 17 Molecular Biophysics & Biochemistry Seminar. Timothy Lohman, Washington University, "How Does a Helicase Unwind DNA?", JEH (315 Cedar Street) at 4:00pm.

Tuesday, September 18 Lecture in Chemical Biology. Professor Kate Carroll, The Scripps Research Institute, "Cysteine-Mediated Redox Signaling: Chemical Tools for Biological Discovery, West Campus conference center.

Tuesday, September 18 Atomic Physics Seminar. Judith Hoeller, Yale University, "Topological Bloch Oscillations", SPL 52 at 3:30pm. Host: Nir Navon.

Wednesday, September 19 Wright Laboratory Event – YPPDO Workshop. Brian Frenette, Yale University, Office of Career Strategy, "Plan and Manage Your Career Development", WL 216 at 12:00pm. Lunch is served in WL 216 starting at 11:45am. [RSVP Requested.](#)

Wednesday, September 19 Department of Mechanical Engineering and Materials Science Seminar. Gaurav Arya, Duke University, "Computational Modeling of DNA Organization: From Nucleosomes to Chromatin Fibers to Chromosomes", ML 107 at 2:30pm. Host: Corey O'Hern.

Thursday, September 20 Wright Laboratory Event – WIDG Seminar. Sumita Ghosh, Yale University, "Searching for Millicharged Particles Using Optically Levitated Microspheres", WLC 245 at 12:00pm.

Thursday, September 20 Condensed Matter Seminar. Hassan Shapouran, Chicago University, "Topological invariants and entanglement in SPT phases of fermions", SPL 52 at 1:00pm.

Friday, September 21 2018 Gruber Cosmology Conference. Lindsey Bleem (Argonne), Susan Clark (IAS), Jo Dunkley (Princeton), Silvia Galli (IAP), Brandon Hensley (Princeton), and Laura Newburgh (Yale), Luce Hall Auditorium, 9:30am-5:00pm. [Registration required.](#)

Friday, September 21 Yale Quantum Institute Colloquium. Enrique Solano, University of the Basque Country, "Title TBA", YQI Seminar (4th Floor 17 Hillhouse Ave.), Seminar Room at 12:00pm.

Friday, September 21 Sackler Discussion Group. Xiaolei Su, Cell Biology, "Phase Separation in T Cell Signaling" and Victor Beaumont, Chemistry, "Chimeric phosphatase demonstrates the importance of active site loop sequence and dynamics", SPL 59 at 12:00pm. Lunch served at 11:45am.

Friday, September 21 Center for Teaching and Learning Webinar. Scientific Teaching in Practice Webinar Series: Dr. Elly Vandegrift, University of Oregon, "Course Reform Focusing on Non-Science Majors General Education Experiences", 3:00pm-4:00pm. [Click here for more information and to register.](#)

Friday, September 21 Geology & Geophysics Colloquium. Colleen Dalton, Brown University, "Title TBA", KBL 123 at 4:00pm.

Saturday, September 22 Girls' Science Investigations. Session #1 (The Extra-Terrestrial World) in Sloane Physics Lab, 9:00am-2:00pm. For girls in 6th through 8th grades. [Click here for more information.](#)

Saturday, September 22 Science on Saturdays: What do Proteins and Nylon have in Common? In Sterling Chemistry Lab, 10:00am-12:00pm. [Click here for more information.](#)

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

Children 6 months through 4 years can ONLY go to the flu clinics offered at the Yale Health Pediatrics Department. Children under 18 years old must be accompanied by an adult.

High dose flu vaccine is available at all of the flu clinics except the ones at the Yale Health Pediatrics Department.

Date	Time	Location	Ages
Mon., Oct. 1*	10am to 3pm	Yale Health Center, 1st Floor	5 years and older
Wed., Oct. 10	10am to 3pm	Yale School of Medicine, Harkness Lounge	5 years and older
Sat., Oct. 13	9am to 1pm	Yale Health Pediatrics, 3rd floor	6 months and older
Fri., Oct. 19*	10am to 3pm	Yale Health Center, 1st Floor	5 years and older
Wed., Oct. 24	4:30pm to 7pm	Yale Health Pediatrics, 3rd Floor	6 months and older
Sat., Oct. 27	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older
Tues., Oct. 30*	10am to 3pm	Yale Health Center, 1st Floor	5 years and older
Fri., Nov. 2	10am to 2pm	West Campus, School of Nursing	5 years and older
Tues., Nov. 6	10am to 3pm	Yale School of Medicine, Harkness Lounge	5 years and older
Thurs., Nov. 15*	2pm to 7 pm	Yale Health Center, 1st Floor	5 years and older
Sat., Nov. 17	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older
Tues., Nov. 27*	2pm to 7pm	Yale Health Center, 1st Floor	5 years and older
Sat., Dec. 1	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older

*On these dates Flu FIT home-based colon cancer screening kits will be available for eligible adults with a Yale Health primary care provider.

[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.

The Yale University Chemical and Biophysical Instrumentation Center, in conjunction with Rigaku Americas Corporation, is pleased to announce the **6th Rigaku Symposium** to take place on Friday, October 19, 2018 in the Chemistry Department at Yale University.

[Click here for more information.](#)

Please join us for a day of stimulating talks and networking. This event is free and open to the public but [pre-registration is required](#). Breakfast, lunch and an evening reception are included during the Symposium.

Science in the News Auditions

Want to improve your communication and presentation skills while exciting a broad public audience about new scientific findings? Audition to be a presenter in the ninth annual Science in the News series! Auditions (September 17-26) are simple and easy: just give a 5-minute presentation with slides about any scientific topic or concept that you're interested in and passionate about. You should prepare your talk so that it could be understood by high school students, with simple, clear, and interesting slides and plenty of scientific enthusiasm!

[Email Alex Engler with any questions or for more information.](#)

DATES:

Monday, September 17

Thursday, September 20

Tuesday, September 25

Wednesday, September 26

Sterling Hall of Medicine or Sloane Physics Lab

[Sign Up via Google Sheets](#)