

Yale Department of Physics

Yale Physics Newsletter

November 10, 2017

News

Dear all,

Last summer we moved into the renovated building of the new Yale Wright Laboratory and in May 2017 we celebrated the official opening. After the first year of research and science programs at the new lab we recently took the opportunity to capture some student voices and their experiences.

[Click here](#) to see the video.

Please help spread the word about student opportunities for both undergraduates and graduate students at Wright Lab.

Thanks,
Karsten

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Yale Travel – New Travel Brochure Available

The Yale Travel Management team is happy to begin distributing its new travel brochure. This small tri-fold brochure is a great resource filled with valuable information including helpful travel phone numbers, Yale's travel policy highlights and travel reimbursement information.

A copy of the brochure can be [downloaded](#) from the Yale Travel Management website or for a supply of them please contact Yale Travel at travel@yale.edu.

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Yale Health Center - No More Guessing Which Line to Go In. In response to member feedback we have simplified the Pharmacy process. Now, when you go to the Pharmacy, you enter a single line and every window/register can handle either your check in, your check out or both!

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Voicemail since the upgrade to VOIP system – please note that *new voicemail messages are only retained for 10 days*. The best solution is to turn on the audio file to email feature. Once that is done all voicemails land in the email associated with the phone number. Please contact Susan DeLong to set up a telecommunications service call if you wish to do this.

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

Save the Date

December 11, 2017 is the Holiday luncheon! Look for the formal invite to come shortly.

Seminars

Monday, November 13 Molecular Biophysics & Biochemistry Special Seminar. Elizabeth Kellogg, University of California at Berkeley, "Structure of microtubule-bound tau using high-resolution cryo-EM", Bass 305 at 11:00am. Host: Chuck Sindelar. Tea before the talk at 10:45am.

Monday, November 13 Physics Club. Marcelle Soares-Santos, Brandeis University, "Observation of a Gravitational Wave Emitting Neutron Star Merger with the Dark Energy Camera", SPL 57 at 3:30pm. Host: Sarah Demers. Tea after the talk at 4:30 in Sloane Physics Lab 3rd Floor Lounge.

Monday, November 13 The Shulman Lectures in Science and the Humanities. Manuel DeLanda, Princeton University, "The Philosophy of Chemistry", Whitney Humanities Center, rm. 208 at 5:00pm.

Tuesday, November 14 Atomic Physics Seminar. Mekena Metcalf, University of California at Merced, "Quantum Transport of Ultra-Cold Fermions in Optical Potentials", SPL 52 at 1:00pm. Host: Nir Navon

Tuesday, November 14 Yale Center for Astronomy & Astrophysics Seminar. Crystal Brogan, NRAO, "An extraordinary outburst in the massive protostellar cluster NGC6334I", WTS A-51 at 2:30pm.

Tuesday, November 14 Center for Research in Interface Structures and Phenomena (CRISP) Seminar. Zhaodong Li, Rensselaer Polytechnic Institute, "Interface Engineering for Enhanced Photoelectrochemical and Photocatalytic Water Splitting", BCT 227 at 2:30pm. Host: Shu Hu.

Wednesday, November 15 Molecular Biophysics & Biochemistry Special Seminar. Wei Mi, Harvard Medical School, "Trap and Flip: Conformational Snapshots of a Lipid Flippase by Cryo-EM", Bass 305 at 11:00am. Host: Jun Liu. Tea before the talk at 10:45am.

Wednesday, November 15 Department of Applied Physics Solid State & Optics Seminar. Prof. Liliana Borcea, University of Michigan, "Laser beam imaging from the speckle pattern of the off-axis scattered intensity", Becton Seminar Room at 1:00pm. Host: Prof. Hui Cao.

Wednesday, November 15 Department of Mechanical Engineering and Materials Science Seminar. Prof. James Hone, Columbia University, "Van der Waals heterostructures: fabrication and materials Issues", ML 107 at 2:30 pm. Host: Prof. Judy Cha. Refreshments served at 2:15pm.

Wednesday, November 15 Molecular, Cellular and Developmental Biology Seminar. Meng-Fu (Bryan) Tsou, Memorial Sloan Kettering Cancer Center, "The Vertebrate Centrosome-Cilium Complex", SCL 160 at 4:00pm. Host: David Breslow. Tea before the talk at 3:45pm.

Wednesday, November 15 Department of Geology & Geophysics Flint Lecture. Maureen Raymo, Columbia University, "Title TBA", KGL 123 at 4:00pm.

Wednesday, November 15 Department of Mathematics Colloquium. Andrew Neitzke, University of Texas at Austin, "Title TBA", LOM 215 at 4:15pm.

Thursday, November 16 Condensed Matter Seminar. Xiao-Liang Qi, Stanford University, "Entanglement, chaos and order", SPL 52 at 1:00pm.

Thursday, November 16 Astronomy Colloquium. Nicholas Stone, Columbia, "Tidal Disruption Flares: Light From the Bottom of the Well", WTS A-51 at 2:30pm.

Friday, November 17 STEM Education Seminar. Dr. Suzanne Brahmia, University of Washington, "Developing mathematical creativity: Physics Invention Tasks", SPL 56 at 11:00am. Lunch & Discussion at 12:00pm in SPL 38.

Friday, November 17 Yale Institute for Nanoscience and Quantum Engineering Talks. Michael Mak, Department of Biomedical Engineering, Yale University, "Active Mechanobiological Networks in Development and Cancer" and Joerge Bewersdorf, Department of Cell Biology and Department of Biomedical Engineering, Yale University, "The Super-Resolution Revolution in Light Microscopy Reaches Cell", Becton Seminar room at 12:00pm. Host: Prof. Corey O'Hern. Light Lunch served at 11:45am.

Friday, November 17 Sackler Discussion Group. Mahmut Demir, Molecular, Cellular, and Developmental Biology with Thierry Emonet, Yale University, "How do insects navigate odor plumes?" and Peter Williams, Applied Physics with Corey O'Hern, Yale University, "Computational models of the bacterial cytoplasm", SPL 57 at 12:00pm. Lunch served at 11:45am.

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

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](mailto:daphne.klemme@yale.edu).

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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.

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Yale Health Center – Get your Flu shot!

[Flu Shot Information](#)

Flu clinics are available on a walk-in basis for Yale Health members, Yale University employees, and Yale University students. Children under 18 must be accompanied by a parent or guardian. No registration is necessary.

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REU at Kansas State University – Our department will host our program entitled Interactions of Matter, Light

and Learning for 10 weeks next summer, pending funding. We invite your students who have completed a course in modern physics to apply. To this end, we ask that you post the attached poster for display in your department as you see fit. [Click here](#) for a copy of the poster.