

# Yale Department of Physics

Yale Physics Newsletter

November 3, 2017

## News

Starting Monday, November 13, Zoom will be the university-supported audio/video conferencing tool. With Zoom, Yale faculty, students, and staff can host a voice and/or video meeting, while sharing content online with anyone, anytime, anywhere by clicking on a personal Zoom link or dialing (2-Zoom) or (203-432-9666).

Visit the [ITS Zoom web page](#) to access helpful materials and find more information.

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**Yale Office of Career Strategy** has a staff of 18 who collaborate to support GSAS and Yale College students, postdocs, and alumni through each step of their job search. We offer advising and programming for GSAS students and postdocs exploring **non-academic careers**. [Click here](#) for the November newsletter.

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Welcome to new postdoctoral associate, **Dom Williamson**. He works on topological phases of matter. He got his PhD in 2017 from the University of Vienna. He is particularly interested in the classification of quantum phases of matter, understanding the physical characteristics of these phases and their applications in quantum information and computation. He will be working with Meng Cheng.

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](#).

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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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## Save the Date

November 11, 2017 – Girls' Science Investigations, Session #2 (The Floating World) as well as Science on Saturdays at Yale: November 11, 2017. Professor Anjelica Gonzalez, Biomedical Engineering, "Tissue Engineering for Health and Disease." 10:00 am, SCL 110/160.

## Seminars

**Monday, November 6** Nuclear Particle Astrophysics (NPA) Seminar. Danielle Speller, Jeremy Cushman, & Christopher Davis, Yale University, "New results from CUORE – a sensitive new probe of lepton number violation in the  $^{130}\text{Te}$  system", WLC 108 at 12:00pm.

**Monday, November 6** Physics Club. Michael Lisa, Ohio State University, "Subatomic fluid spintronics - Global hyperon polarization in heavy ion collisions at RHIC", SPL 57 at 3:30pm. Host: Helen Caines. Tea after the talk at 4:30 in Sloane Physics Lab 3rd Floor Lounge.

**Monday, November 6** Molecular Biophysics & Biochemistry Seminar. Gregory Scholes, Princeton University, "Can Coherence Enhance Function in Photosynthetic Systems?", Bass 305 at 4:00pm. Host: Nikhil S. Malvankar. Tea before the talk at 3:45pm.

**Tuesday, November 7** Yale Center for Astronomy and Astrophysics Seminar. Thomas Barclay, Goddard Space Flight Center, "Exoplanet Demographics and Habitability", WTS A-51 at 2:30pm.

**Tuesday, November 7** Particle Theory Seminar. Sandipan Kundu, Johns Hopkins University, "Title TBA", SPL 52 at 4:00pm.

**Tuesday, November 7** Special Molecular Biophysics & Biochemistry Seminar. James Letts, Institute of Science and Technology (IST) Austria, "Cryo-EM structural studies of the mammalian mitochondrial respiratory chain", Bass 305 at 4:00pm. Host: Donald Engelman. Tea before the talk at 3:45pm.

**Tuesday, November 7** Department of Geology & Geophysics Silliman Memorial Lecture. Richard Alley, Princeton, "SEA-LEVEL RISE: Inconvenient, or Unmanageable?", Luce Hall 101 at 4:30pm. [Click here](#) for further information.

**Wednesday, November 8** Molecular, Cellular and Developmental Biology Seminar. Monte Winslow, Stanford University, "Molecular Determinants of Lung Cancer Growth and Metastasis", SCL 160 at 4:00pm. Host: Nadya Dimitrova. Tea before the talk at 3:45pm.

**Wednesday, November 8** Department of Geology & Geophysics Colloquium. Richard Alley, Princeton, "Avoiding optimistic extrapolations: history and physics for projecting sea-level rise", KGL 123 at 4:00pm.

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**Thursday, November 9** Nuclear Particle Astrophysics (NPA) Seminar. Carsten Rott, Sungkyunkwan University, "Search for Solar Atmospheric Neutrinos", WL 216 at 1:00pm.

**Thursday, November 9** Astronomy Colloquium. Simeon Bird, Johns Hopkins University, "Did LIGO Detect Dark Matter?", WTS A-51 at 2:30pm.

**Thursday, November 9** Sackler/PEB Invited Speaker. Prof. Hernan Gargia, University of California at Berkeley, "How, when and where in pattern formation: Spying on embryonic development one molecule at a time", SPL 56 at 4:00pm. Host: Prof. Alvaro Sanchez (EEB).

**Thursday, November 9** A Poyneter Fellowship in Journalism Symposium. Truth in the Internet Age: The War with Truth. Conversation 1: Jeff Ballou (President, National Press Club) and Jason Stanley (Yale Professor of Philosophy). Conversation 2: Yevgenia Albats (Editor-in-Chief, the Moscow-based *New Times*) and Timothy Snyder (Yale Professor of History), Yale Law School, rm. 127 at 4:30pm. Doors open at 4:10pm.

**Friday, November 10** Yale Quantum Institute Colloquium. Radim Filip, Palacky University Olomouc, "Non-Gaussian Quantum Optics", YQI Seminar Room at 12:00pm.

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

**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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There is a steam/condensate shutdown scheduled for Friday, 11/3/2017 from 5:00 to 8:00 am that will affect heat, hot water, humidity controls and autoclaves in CSB, Wright Lab, Bass, SCL, KCL, and CRB.

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REU in Montana – The Solar/Space Physics Research Group of the Montana State University Department of Physics will offer 8 REU positions during summer 2018. [Click here](#) for a copy of the poster.

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Research Experience for Undergraduates in Montana – The active research groups of the Montana State University Electrical and Computer Engineering Department will offer 8-10 REU positions during summer 2018. [Click here](#) for a copy of the poster.

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**Oak Ridge Associated Universities (ORAU)** has two summer programs currently accepting applications for the 2018 summer period. The U.S. Army Research Lab Summer Journeyman Fellowship Program and the U.S. Army Institute for Surgical Research Summer Internship Program. These are amazing opportunities to expand your research experience! [Click here](#) for further information.

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We would appreciate you sharing the following opportunities with your students.

**Caltech** is excited to announce two summer research opportunities available to continuing undergraduate students. Questions about these programs can be directed to Carol Casey at [casey@caltech.edu](mailto:casey@caltech.edu) or (626) 395-2887.

Interested students can join us for the following webinars to learn more:

- WAVE Fellows Program Webinar, November 15, 11:00 am PST, [Register](#)
- Amgen Scholars Program Webinar, November 16, 11:00 am PST, [Register](#)

Going to ABRCMS? Come visit us at booth #924!

[Click here](#) for further information.

#### [Jobs](#)

**The Department of Physics and Astronomy at the University of California, Riverside**, invites highly qualified individuals to apply for a tenure-track faculty position in the field of experimental Biophysics. The appointment will be made at the Assistant Professor level. For more information and to apply, [click here](#).