

Yale Department of Physics

Yale Physics Newsletter

January 26, 2018

News

Please welcome Victoria Misenti to the Physics Department as the new Wright Lab Program Manager.

Victoria comes to us most recently from the Yale Astronomy Department, where she worked for 10 years managing Yale's observational research facilities and endeavors in both the U.S. and Chile, serving as Undergraduate Registrar, and providing departmental and faculty support in a variety of areas. Previously, Victoria was the supervisor of circulation in Yale's Sterling Memorial Library.

As Wright Lab Program Manager, Victoria will work with the Wright Lab Director and faculty to initiate and coordinate a variety of research-oriented programs; facilitate both internal and external collaborations; develop communication materials; and assist with special events, outreach efforts, and tours.

Victoria has a M.A.R. from the Yale Institute of Sacred Music and a B.A. in Archaeological Studies and Music (double major) from Yale College. She has also taken Yale courses in astronomy and physics, and has a working familiarity of scientific instrumentation development, maintenance and usage from her previous job managing telescope facilities.

Victoria looks forward to working with everyone in the Physics community; please extend to her a warm welcome.

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Meg Urry was featured in an interview with The Freethink Tank (TFT) in October 2017. Meg Urry is the founding Director of the Yale Center for Astronomy and Astrophysics. In addition to that, she is a Fellow of the American Academy of Arts and Sciences, the National Academies of Science, the American Physical Society and American Women in Science. Furthermore, Professor Urry is known for her efforts to increase the number of women in the physical sciences, for which she won the 2010 Women in Space Science Award. In this interview, we have touched on a wide range of topics from her love of foreign languages, to her favourite books, spoiler alert – one of them is the [Amelia Earhart Biography](#). It has been an absolute pleasure to interview Meg and we hope you enjoy reading about her journey so far.

[Click here](#) to see the full The Freethink Tank (TFT) interview with Meg Urry.

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Save the Date

Session Three (The Material World) of Girls' Science Investigations will be held on Saturday, February 17, 2018. For further information go to <https://gsi.yale.edu/> and to volunteer go to <https://gsi.yale.edu/volunteering>.

41st Rosenthal Lecture, Alain Aspect, Institut d'Optique will be held on Monday, February 5, 2018.

Seminars

Monday, January 29 Physics Club. Peter Schiffer, Yale University, "Artificial spin ice: playground for frustration", SPL 57 at 3:30pm. Host: Nir Navon. Tea after the talk in SPL 3rd Floor Lounge.

Tuesday, January 30 Yale Center for Astronomy and Astrophysics Seminar. John Bally, University of Colorado Boulder, "Explosive Outflows and Luminous IR Transients from Massive Protostars", WTS A-51 at 2:30pm.

Tuesday, January 30 Department of Chemistry Lecture in Physical Chemistry. Professor Naomi Halas, Rice University, "Plasmonics: From Noble Metals to Sustainability", SCL 160 at 4:00pm.

Wednesday, January 31 Yale Science Diplomats Event. "Career Conversation with the Yale Science Diplomats". The Yale Science Diplomats will host a career-focused discussion with Dr. Wright and Dr. Grego prior to their panel. The conversation will focus on their transition from academic science to the Union of Concerned Scientists and will include ample time for Q and A. This event is intended for PhD students and postdocs in the sciences, but all are welcome. CTL 121 at 2:00pm.

Wednesday, January 31 Yale Science Building Topping Off Ceremony, At the tent on the North side of Kline Biology Tower 4:00pm-6:00pm.

Wednesday, January 31 Yale Science Diplomats Event. "The North Korea Dilemma: Nuclear Weapons and Missile Defense in the Trump Era" – Dr. David Wright, Global Security Program, Dr. Mira Rapp-Hooper, Yale Law School, Dr. Laura Grego, Yale Law School. Join these technical and policy experts for an interactive panel discussion on options for addressing one of today's most pressing global security challenges: the conflict with North Korea, Sterling Law Building, rm. 127 at 4:00pm.

Wednesday, January 31 Department of Mathematics Colloquium. Alex Lubotzky, Yale University, "Groups' approximation, stability and high dimensional expanders", LOM 215 at 4:15pm.

Thursday, February 1 Department of Astronomy Colloquium. Norm Murray, Canadian Institute for Theoretical Astrophysics, "Star Formation, Giant Molecular Clouds, and Galaxies", WTS A-51 at 2:30pm.

Friday, February 2 2nd Annual Symposium on Equity in the Job Search. Tools to Successfully Navigate the Job Search & Promote Gender Equity in STEM, Luce Hall Auditorium, Rm. 101 8:30am-5:00pm. Graduate students, postdocs, professors, and research staff/scientists of all genders are all invited ([registration](#) closes January 26, 2018). [Click here](#) for more information.

Friday, February 2 Yale Physics Professional Development/Nuclear-Particle-Astrophysics Seminar. David Mankoff, University of Pennsylvania, "Nuclear Physics Applied to Medicine: Positron Emission Tomography (PET) as a Biomarker for Targeted Cancer Therapy", WL 216 at 1:00pm. Lunch before the talk at 11:45 am.

Friday, February 2 Yale Quantum Institute Applied Physics Seminar. Mostafa Kherzi, University of California, Riverside, "Measurement of superconducting qubits", YQI Seminar room at 1:00pm.

Friday, February 2 Center for Teaching & Learning STEM Education Seminar. Dr. John A. Johnson, Harvard University, "Recreating the Culture of Science in the Classroom", WTS A-51 at 2:00pm.

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

Priya Natarajan (Professor of Astronomy) in Yale News, "Black holes, gravitational waves take Yale prof to NASA's LISA mission"

NASA has named professor of astronomy and physics Priyamvada Natarajan to its team of U.S. scientists lending expertise on gravitational waves and astrophysics for the upcoming LISA mission.

[Click here](#) for full story in Yale News (January 9, 2018)

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News from Yale Health

Traveling out of the country soon?

When you travel abroad it is important to plan ahead, especially if you are going to an area that might involve some health risks. Travel health services that were provided on a fee-for-service basis are no longer available at the Yale Health Center for non-Yale students. We do have a relationship with **Passport Health**, who provides a special rate for Yale Health members.

Passport Health is the largest and leading provider of travel medicine in the United States. They have extensive experience partnering with Fortune 500 companies and organizations, such as Doctors without Borders and the American Red Cross. Passport Health has convenient locations in the community, including York Street in New Haven and Washington Avenue in Hamden. You can contact Passport Health at 203-288-3115 or accounts@passporthealthusa.com (remember to tell them that you are a Yale Health member).

It is important to allow time for a full evaluation and appropriate vaccines, if needed. Schedule your travel evaluation at least 4 weeks prior to travel.

Visit our website for [travel health information](#) and other University resources.

Get notifications when your prescriptions are ready!

[RxReady](#) will send you message to let you know when your prescription is ready for pick up at Yale Health Pharmacy.

Online Prescription Refill Requests!

To call in your prescription refill request dial 203-432-0033, press 1, then press 1 again and follow the prompts.

To submit your refill request online [click here](#). Please check your email for a confirmation email, it will let you know if all your prescription refills were successfully processed.

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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Worthington Hooker School Science Fair Judges Needed

Date & Time: Thursday, February 1; 8:30 a.m. - 12:00 p.m.

The W.H. School Science Fair is looking for undergraduates, graduate students, postdocs and faculty to judge science fair posters from grades seven and eight. The science fair is an in-school competition and the winners move on to the next level. W.H. School provides breakfast along with the wonderful science projects.

[Sign-up to volunteer via Google Forms.](#)

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2018 Connecticut STEM Fair Judges Needed

Date & Time: Saturday, February 3; 7:30 a.m. – 1 p.m. (overall event ends at 3:30 p.m.)

The Connecticut STEM Foundation, sponsor of the CT STEM Fair, is looking for judges for the Feb. 3 event. If you're interested in serving as a judge, [please complete an online form and Fran Lichtenberg, the Chair of Judges will contact you.](#)

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Family Science Nights: Volunteers Needed

Family Science Night events continue for January and February, facilitated by the New Haven Science Fair program. As a volunteer, you will present simple science demonstrations to young students and their families at a two-hour evening family event. NO EXPERIENCE REQUIRED! You will receive a full set of instructions for delivering the demonstration.

[Sign-up to volunteer via Google Forms.](#)