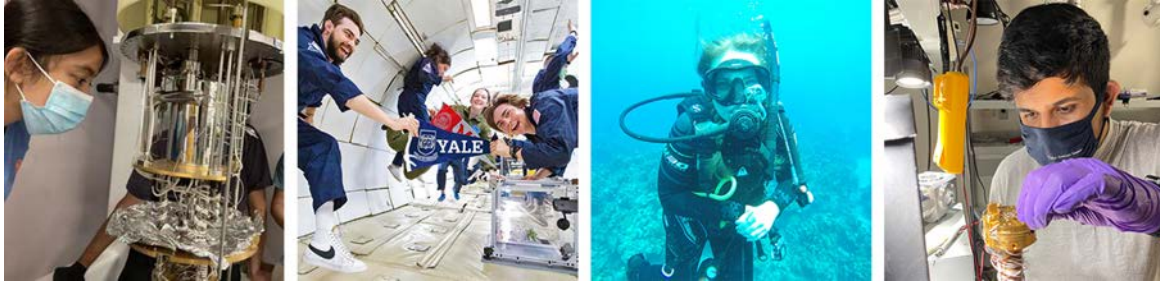


To view this email as a web page, go [here](#).

Yale Physics



Friday, November 11, 2022

Events

Monday, November 14

- 10:30 am **Particle Theory Seminar:** *Entanglement entropy in (1+1)-d with defects*, Dr. Fei Yan, Rutgers University, SPL 51. Host: Yuan Xin.
- 4:00 pm **Physics Club:** *The Universe as a Lab for New Physics Across Cosmic Times*, Cora Dvorkin, Harvard University, SPL 57. Host: Laura Newburgh.
- 4:00 pm **Department of Molecular Biophysics and Biochemistry Seminar:** *Terra Incognita of Neuronal GPCR Signaling*, Dr. Kirill Martemyanov, UF Scripps, HOPE 110. Host: Michael Koelle.

Tuesday, November 15

- 4:00 pm **Particle Theory Seminar:** *An Effective Field Theory Perspective on the Dynamics of Spinning Binary Systems*, Radu Roiban, Pennsylvania State University, SPL 51. Hosts: Bianka Meçaj, Petar Tadic, & Yuan Xin.

Wednesday, November 16

- 1:00 pm **Department of Applied Physics Solids State & Optics Seminar:** *Harnessing photon-phonon interactions for classical and quantum applications*, Peter Rakich, Yale University, YQI Seminar Room.
- 2:30 pm **Department of Mechanical Engineering and Materials Science Seminar:** *Electrospray Propulsion for SmallSats*, Manuel Gamero-Castano, University of California, Irvine, ML 107. Host: Juan de la Mora.
- 4:00 pm **Department of Earth and Planetary Sciences Colloquium:** *Title - To Be Announced*, Mauricio Ibanez-Mejia, University of Arizona, KGL 123.
- 4:00 pm **The Franke Program in Science and the Humanities:** *White Gold Fever: The Story of Deep Sea Treasure and an Environmental Tragedy*, Esther Honig, Journalist, Zoom Webinar.
- 4:00 pm **Yale Quantum Institute Event:** *Physics Open Mic - Stewart Smith*, YQI Artist in Residence, Digital Artist, AR technologist, and YQI Artist-in Residence

[Stewart Smith](#) will kickstart this reboot. Come chat with him about your work, your interests, and ask him questions about his digital work, AR/VR, his [quantum simulator Q.js](#), or any other things! Snacks, beverages and local brews will be provided. YQI Seminar Room.

4:15 pm **Department of Mathematics Colloquium:** *Lie theory in tensor categories with applications to modular representation theory*, Pavel Etingof, MIT, LOM 214.

Thursday, November 17

1:00 pm **Nuclear-Particle-Astrophysics Seminar:** *Experimental CMB Techniques*, Cyndia Yu, Stanford University, WL 216. Host: Fernando Flor.

2:30 pm **Yale Astronomy Colloquium:** *Satellite Galaxies in Lambda CDM and the Observed Universe*, Tereasa Brainerd, Boston University, WTS A-51.

3:00 pm **Department of Mechanical Engineering and Materials Science Special Seminar:** *Entropy and active elasticity*, Dhruvadya Mitra, NORDITA, Stockholm, ML 107. Host: Prof. Venkadesan.

4:00 pm **Physics Event: 2022 Undergraduate Research Fair**, We seek to facilitate undergraduates with a physics interest to obtain research positions, and to facilitate faculty in their search for capable undergraduate researchers. Faculty with primary and secondary appointments are invited. SPL 3rd Floor Lounge. Host: Sarah Demers. [RSVP here](#).

4:00 pm **AMO Seminar:** *Quantum simulations of many-body systems from turbulent cascades to doped antiferromagnets*, Timon Hilker, Max Planck Institute of Quantum Optics, SPL 51. Host: Nir Navon.

Friday, November 18

11:00 am **Wright Lab Event: *The Elusives Journal Club***, Members in the departments of physics and astronomy who work on dark matter and neutrino-related fields are invited to get together to discuss papers related to their field. Topics include: neutrinos, dark matter, BSM physics, fundamental symmetries, precision physics and more. WLC 245. Host: Jorge Torres.

12:00 pm **Computer Science/Yale Quantum Institute Colloquium:** *Learning in the quantum universe*, Hsin Yuan (Robert) Huang, Caltech. YQI Seminar Room + zoom.

7:00 pm **Nucleate New Haven: *Biotech Social Hour @ Gryphon's Pub***, Join us at Gryphon's Pub at 7:00PM on the third Friday of the month for a casual community social, and meet other entrepreneurial students! Limited drinks tickets will be available. This event is co-hosted by Yale Biotech Club!

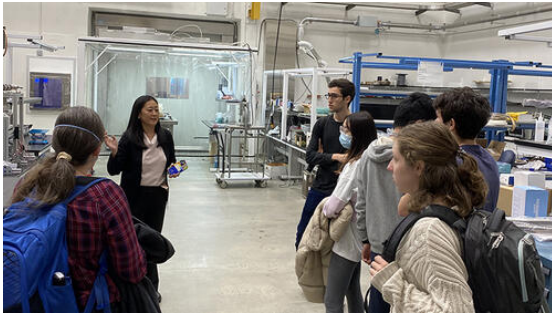
[More events](#)

News



Yale Physics' Wright Lab hosts screening of "Invisible Universe" film

On November 4, 2022, Wright Lab hosted a screening of the film "Invisible Universe," which was developed during the residency of former Wright Lab Artist-in-Residence Emily Coates.



Yale Society of Physics Students Tours Wright Lab

On November 3, eight undergraduate members of the Yale Society of Physics (SPS) students explored Wright Lab and learned about the kinds of research done at Wright Lab and opportunities for undergraduates to get involved.

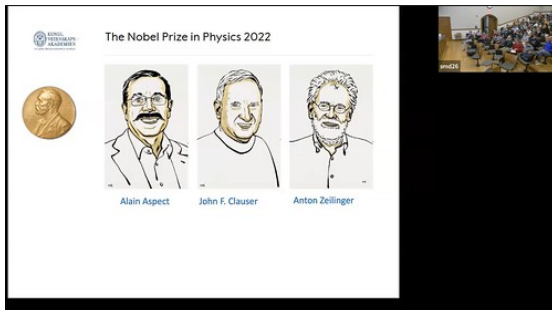


“Flies smell the motion of odors and use it to navigate”

The survival of all animals and insects, from wolves to bees, depends upon their ability to find the source of odors, which is a challenge when wind disperses and obscures their source. Emonet and Clark wondered whether flies had a different trick between their two antennae: could they detect the motion of odor packets, independent of the wind?.

[More news](#)

Social Media



Nobel Prize in Physics 2022 Lecture video on YouTube

A. Douglas Stone, Yale University, “Spooky Action at a Distance wins the Nobel Prize”. New lecture geared towards undergraduate student is the top post for the month of October. See <https://youtu.be/kfTOAeZVgVY> for video.

Community

Climate and Diversity News

Veterans & Military Families Month was established in 1996 by the Armed Services YMCA, with the U.S. Government recognizing the occasion every year since. Each November, the President signs a proclamation declaring November National Veterans & Military Families Month, and with hundreds of thousands of service members deployed overseas, recognizing the daily sacrifices made by active duty, Guard, and Reserve military families has never been more important.

In recognition of National Veterans and Military Families Month, check out the compiled a [list of resources](#) for military children and families, educators, and civilian and non-civilian mental health providers from the National Child Traumatic Stress Network.

Looking for volunteer opportunities and events for National Veterans and Military Families Month? Check out Belonging at Yale’s [curated resources](#).

If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu

COVID-19 update

Yale COVID-19 Information - [click here](#) for updated information.

Opportunities

Faculty Positions

[Asst./Assoc./Full Professor in Experimental Quantum Science](#) - Yale University

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University

[Assistant Professor in Biological Physics](#) - Yale University

[Assistant Professor in Experimental Nuclear Physics](#) - Yale University

[Assistant Professor in Astrophysics & Cosmology](#) - Yale University

[Assistant Professor, Applied Physics \(Quantum Information Theory\)](#) - Yale University (due date December 1, 2022, anticipated start date July 1, 2023)

[Assistant Professor, Applied Physics \(Experimental Condensed Matter Physics/Materials Science\)](#) - Yale University (due date January 3, 2023, anticipated start date July 1, 2023)

[Faculty and Associate Faculty Positions](#) - Perimeter Institute

[Cluster hire in Quantum Information, Materials, Sensors, and their Applications](#) - Washington University in St. Louis (deadline **November 14, 2022**)

[Visiting Assistant Professor in Physics and Astronomy](#) - Siena College (deadline **November 15, 2022**)

[Assistant Professor, Department of Physics and Astronomy](#) - University of California, Davis (application deadline **November 18, 2022**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **December 31, 2022**, anticipated start date of July 1, 2023)

[Assistant/Associate Professor, Physics](#) - Hope College (deadline **December 31, 2022**)

[Tenure-track assistant professor position at ECE](#) - Princeton University (deadline **December 31, 2022**, preferred start date of September 1, 2023)

[Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **June 30, 2023**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Experimental Quantum Information Science](#) - NYU (anticipated start date of **Sept. 1, 2023**)

Research Scientist Positions

[Research Scientist, Relativistic Heavy-Ion Research Group](#) - Yale University

[Research Scientists \(CHORD radio telescope\) 5 Year Term](#) - Perimeter Institute

Postdoctoral Positions

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University

[The Department of the Airforce Science & Technology Fellowship Program](#)

[Postdoctoral Prize Fellowship and Positions, Galaxies and Cosmology](#) - Max Planck Institute for Astronomy (MPIA) in Heidelberg (deadline **November 23, 2022**)

[Postdoctoral Scholar position in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **December 1, 2022**)

[Postdoctoral Research Associate](#) - Brown University (deadline **December 1, 2022**)

[Sullivan Prize Postdoctoral Fellowship in Astrophysics](#) - Indiana University (deadline **December 2, 2022**)

[Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy](#) - Johns Hopkins University (application open through **February 8, 2023**, consideration of applications will begin on November 1, 2022)

PhD Position

[PhD Positions in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **January 4, 2023**)

Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

[Positions for postdocs and graduate students affected by the war in Ukraine](#) - Perimeter Institute

[2023 Dissertation and Postdoctoral Fellowship](#) - Ford Foundation (deadline **December 8, 2022**)

[NRC Research Associateship Programs](#) - National Academies for Sciences, Engineering, Medicine (Online applications open as follows **December 1 (closes February 1)**, March 1 (closes May 1), June 1 (closes August 1), and September 1 (closes November 1))

Undergraduate Research

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

[2023 Predoctoral Fellowship](#) - Ford Foundation (deadline **December 15, 2022**)

[WAVE Fellowship](#) - Caltech (deadline **January 9, 2023**)

[Amgen Scholars](#) - Caltech (deadline **February 1, 2023**)

Graduate Student and Postdoc Schools, Workshops, and Conferences

[Quantum Creators Prize Symposium 2022](#), November 14-15, 2022 - The Chicago Quantum Exchange and the University of Chicago

[iid2022: Statistical Methods for Event Data](#), November 15-19, 2022 - University of Alabama in Huntsville

[Boulder School in Condensed Matter and Materials Physics 2023: Non-Equilibrium Quantum Dynamics](#), July 3-28, 2023 - University of Colorado, Boulder (deadline **January 15, 2023**)

Grants, Fellowships and Scholarships

Graduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)

Undergraduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)



[Visit our Website](#) | [Contact Us](#) | [Physics Flickr](#)

For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#). Alumni can add/update their information by [clicking here](#).

This email was sent by: Yale University
P.O. BOX 208109, New Haven, CT, 06520-8279 US

[Unsubscribe from this Mailing List](#)

[Update Your Preferences](#) **[Privacy Policy](#)**