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Yale Physics



Friday, December 3, 2021

Events

Monday, December 6

4:00 pm **Molecular Biophysics & Biochemistry Colloquium:** *Integrator is a Broad Transcriptional Regulator with Unexpected Interactions*, Eric Wagner, University of Rochester, [zoom](#). Host: MB&B Graduate Students.

Tuesday, December 7

2:30 pm **Mossman Seminar:** *Light and Heat in Conformal Field Theories*, Murat Kologlu, University of Oxford, [zoom](#). Host: Witold Skiba.

Wednesday, December 8

10:30 am **Condensed Matter Theory Seminar:** *A construction of exotic metal and metal-insulator transition*, Xiaocuan Wu, University of California Santa Barbara, [zoom](#). Host: Meng Cheng.

1:00 pm **Yale Systems Biology Institute Seminar:** *Quantifying and understanding protein turnover control by mass spectrometry*, Yansheng Liu, Yale School of Medicine, [zoom](#), password: 555433.

2:30 pm **Mechanical Engineering and Materials Science Seminar:** *Network Theory Meets Materials Science*, Chris Wolverton, Northwestern University, contact department for zoom information.

4:00 pm **Earth & Planetary Sciences Colloquium:** *Title TBA*, Michelle Stocker, Virginia Polytechnic Institute and State University.

4:00 pm **The Franke Program in Science and the Humanities: Mapping as Knowing Series Talk:** *The Neuroscience of Human Decisions*, Mariano Sigman, [register to attend](#).

Thursday, December 9

2:30 pm **Mossman Seminar:** *Higher-order prethermal discrete time crystals*, Andrea Pizzi, University of Cambridge, [zoom](#). Host: Witold Skiba.

2:30 pm **Yale Astronomy Virtual Colloquium:** *Title TBA*, Diana Powell, Smithsonian Astrophysical Observatory, contact department for zoom information.

Friday, December 10

- 12:00 pm **Yale Quantum Institute Seminar: *PIQUE: a new frame work for quantum systems engineering***, Archana Kamal, University of Massachusetts Lowell, zoom.
- 4:00 pm **Yale Quantum Institute: How to Join the Quantum Workforc: *Prepare for Industry***, Teresa Brecht (HRL Laboratories), Zlatko Minev (IBM), Melanie Sinche (University of Saint Joseph), [register here to receive zoom link](#).

[More events](#)

News



Yale Physics Castiglia and Zagorac win the inaugural Leigh Page Award for Excellence in Graduate Student Teaching

Emma Castiglia (Graduate Student with Sarah Demers and member of Yale's Wright Lab) and Luna Zagorac (Graduate Student with Nikhil Padmanabhan) are winners of the inaugural Leigh Page Award for Excellence in Graduate Student Teaching..



Yale Physics Talia Weiss co-founds Kimball Smith Series

The Kimball Smith Series—co-founded by Talia Weiss, graduate student in physics and member of Yale's Wright Lab, and Ellie Singer, undergraduate student in political science—is a new event series that tackles issues at the intersection of science, technology, ethics, and global affairs; ranging from nuclear weapons risks to artificial intelligence policy.



Yale physicist Steve Lamoreaux explains the physics of football on ESPN

Steve Lamoreaux, professor of physics, and member of Yale's Wright Lab, explained the physics of football for a segment for ESPN's NFL Countdown that aired on November 21, 2021.



Marla Geha, The race is on to erase space junk

Marla Geha, professor of astronomy, with a secondary appointment in physics was featured in Yale News (Jim Shelton, Nov. 30, 2021), "The race is on to erase space junk".

[More news](#)

Community

Climate and Diversity Committee News

Join the Yale African American Affinity Group, LGBTQ Affinity Group, Yale Latino Networking Group, Future Leaders of Yale, DiversAbility at Yale, Chi Omicron Chapter of Omega Psi Phi Fraternity, Inc., and Yale Police Department for a winter clothing drive. The drive will benefit Loaves & Fishes, James Hillhouse High School, New Haven Works, and Downtown Evening Soup Kitchen. Stop by one of our 10 collection sites around campus to drop off your donation items now through Friday, December 10th, or visit our online registry. Items needed are hats, gloves, socks, scarves, and new & gently used coats (young adult and adult sizes only). [Learn More](#).

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](#)
[Yale COVID-19 Statistics](#)
[COVID-19 Workplace Guidance](#)
[Yale College COVID-19 Announcements and FAQs](#)
[Yale Physics COVID-19 site](#)
Current COVID-19 status is Yellow

Opportunities

Faculty positions

[Tenure-track faculty position in theoretical particle physics](#) - Perimeter Institute (Deadline Dec. 17, 2021 or until filled)

[Tenure-Track Position in Experimental Soft Matter and Biological Physics](#) - Brown University (deadline Dec. 31, 2021)

[Assistant Professor of Physics](#) at Le Moyne College (Deadline Dec. 31, 2021)

[Tenure-track assistant professor position](#) - Princeton University (Deadline Dec. 31, 2021)

[Two Faculty Positions in Quantum Materials](#) - The University of Tennessee Knoxville (Deadline Jan. 10, 2022)

[Assistant Professor, Physics Department](#) - Drexel University (Deadline Jan. 31, 2022)

[Asst. Prof. in Experimental Particle Physics position](#) - UPenn (Deadline until filled)

[Assistant Professor of Physics, Tenure track](#) - The College of Wooster (Deadline until filled)

[Junior Faculty Search in Fundamental symmetries \(experiment\), broadly defined](#) - UC Berkeley (Deadline until filled)

[Assistant Professor in Experimental Particle Physics](#) - University of Pennsylvania (Deadline until filled)

[Physics Faculty Postion](#) - CSU San Bernardino (Deadline until filled)

[Full-Time Lecturer Position in Physics](#) - University of Massachusetts, Dartmouth College of Engineering (Deadline until filled)

[Physics Clinical Assistant Professor Position](#) - NYU (Deadline until filled)

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

[Faculty and Associate Faculty Positions](#) - Perimeter Institute (no deadline)

Postdoctoral positions

[Air Force Science & Technology Fellowships](#) (Rolling deadlines **Feb 1**, May 1, Aug 1, Nov 1)

[Yale Postdoctoral Fellowship in Quantum Information Theory](#) - Yale University (Deadline Feb. 1, 2022)

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

Postdoctoral Research Associate in Neutrino Physics - Brookhaven National Lab: Two ways to apply [1] [Inspire](#) or [2] [BNL-jobs](#)

[Product Development Engineer](#) - Hyperlight (no deadline)

[Integrated Photonics Research Scientist](#) - Hyperlight (no deadline)

Graduate student and Postdoc Research

[Perimeter Scholars program](#) - Perimeter Institute (Deadline Feb. 1, 2022 for final consideration)

[Experimental-Physics Education Specialist](#) - Scripps College (no deadline)

Undergraduate Research

[Undergraduate School on Experimental Quantum Information Processing](#) (two-week introduction) or [Undergraduate Research award](#) (all summer)- The University of Waterloo (Deadline Jan 4, 2022)

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)

[Spring 2022 Undergraduate Internships](#) - DOE Office of Science

Grant Opportunities

[Seed Grant Opportunity](#) - Yale Women Faculty Forum (deadline Feb. 15)

[Perimeter Scholars International - Students' Training Accelerator for Research in Theory](#) (PSI START) - Perimeter Institute (Deadline Jan. 17, 2022)

[Research Grants](#) - OPRA Association for Advancement of Research in Nuclear & Particle Physics (Deadline Apr. 14, 2022)

Fellowship Opportunities

[DOE Computational Science Graduate Fellowship](#) - Department of Energy (Deadline Jan. 12, 2022)



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#).

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