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# Yale Physics



**Friday, November 19, 2021**

## Events

**Monday, November 22 - Friday, November 26**

All day Thanksgiving Break: Have a safe and healthy time off!

**Monday, November 22**

4:00 pm **Department of Chemistry Inorganic Chemistry Seminar:** *Accessing new C-C bond formations via decarbonylative coupling*, Adelina Voutchkova-Kostal, The George Washington University, contact department for zoom details.

**Monday, November 29**

4:00 pm **Tinsley Lecture:** *Opening the Infrared Treasure Chest with JWST*, John C. Mather, NASA, [zoom](#), passcode: 873938. Host: Society of Physics Students, Women in Physics, and the departments of Physics and Astronomy.

4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Morphogenetic functions of the cellular actin-myosin cortex*, Stephan Grill, Max Planck Institute, [zoom](#). Host: Joe Howard.

**Tuesday, November 30**

12:00 pm **WIDG Seminar:** *DuNE Near Detector*, Roberto Soleti, Lawrence Berkeley National Laboratory, [zoom](#), passcode 469182. Host: Giacomo Scanavini.

3:30 pm **Particle Theory Seminar:** *Symmetry in QFT and Gravity*, Hiroshi Ooguri, California Institute of Technology, [zoom](#).

4:00 pm **The Kimball Smith Series:** *AI Ethics on the Global Stage*, Sasha Brown, Marynel Vázquez, and Wendall Wallach, Yale University, [register here](#).

4:00 pm **Department of Chemistry Physical Chemistry Seminar:** *Revealing Complexities of the Solid-Liquid Interface Using Vibrational Spectroscopy*, Jahan M. Dawlaty, University of Southern California, contact department for zoom details.

**Wednesday, December 1**

1:00 pm **Department of Chemistry Chemical Biology Seminar Seminar:** *Title TBA*, Isabelle Fournier, Université de Lille, contact department for zoom details.

- 1:00 pm **The Yale Institute for the Preservation of Cultural Heritage Talk:** *Reverse engineering and replicating 18th century European porcelain*, Celia Chari, Caltech & Anikó Bezur, Yale University, zoom.
- 2:30 pm **Mechanical Engineering and Materials Science Seminar:** *Steering microscopic particles in viscous flows via shape and deformability*, Anke Lindner, Paris University, contact department for zoom details.

## Thursday, December 2

- 10:00 am **Nuclear Particle Astrophysics Seminar:** *Core and Core Corona in Heavy Ions*, Yuuka Kanakubo, Sophia University, Japan, zoom, passcode 441777. Host: Laura Havener.
- 2:30 pm **Yale Astronomy Virtual Colloquium:** *Title TBA*, Daryl Haggard, McGill University, contact department for zoom details.

[More events](#)

## News



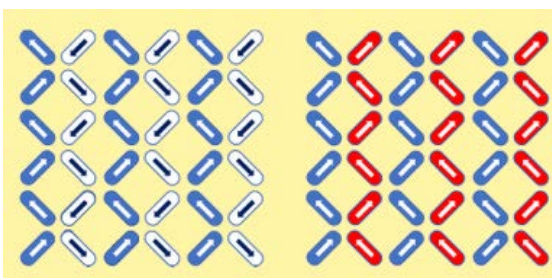
### Physicist Laura Newburgh to share 2022 Berkeley Prize

Assistant professor Laura Newburgh and her collaborators at the Canadian Hydrogen Intensity Mapping Experiment (CHIME) are winners of the 2022 Lancelot M. Berkeley – New York Community Trust Prize for Meritorious Work in Astronomy for breakthroughs in the understanding of a mysterious phenomenon known as fast radio bursts.



### Brooke Russell awarded 2021 L'Oréal For Women in Science Fellowship

Brooke Russell, Ph.D. '20 is a recipient of the 2021 For Women in Science (FWIS) Fellowship given by L'Oréal USA. Russell, who is now a physicist at Lawrence Berkeley National Lab, focuses on studying the neutrino, one of the most abundant yet mysterious particles in the universe, which may hold the key to big questions regarding the laws of nature and how the universe was born.



### Peter Schiffer and how nanomagnets offer clues to how avalanches work

The behavior of avalanches has generated interest among physicists for the insights that they can provide about many other systems, not least of which is how snow falls down a mountainside.

# Community

## Climate and Diversity Committee News

November 18 was the [International Day of LGBTQIA+ People in STEM](#), which is intended to celebrate and highlight the work and barriers of LGBTQIA+ people in science, technology, engineering, and math (STEM). The date is symbolic of the 60th anniversary of American Astronomer and gay activist Frank Kameny's US Supreme Court fight against workplace discrimination.

At Yale Physics, we invite you to check out [QuARK](#) (Queer Affiliated fRiends of physiKs), an organization focused on inclusion and support of members of the LGBTQ+ community in physics. Open to all queer-identifying members of the department (students/staff/faculty, etc.), QuARK coordinates regular gatherings of a casual nature to discuss topical issues and foster community. Also, we organize occasional outreach events to interface with the department and broader Yale community.

Additionally, in celebration of [Native American Heritage Month](#), the Yale Film Archive has compiled a list of six documentary films that tell a range of Native American stories touching on the personal, the political, and the artistic. They are available to Yale faculty, staff, and students to watch for free through the library's streaming video services (Yale NetID required). Find the full list of films and links to stream them [here](#).

*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](mailto: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 Green

# Opportunities

## Faculty positions

[Tenure-track faculty position for an Assistant Professor in Nuclear Astrophysics/Fundamental Symmetries Theory](#) - UC Berkley and Lawrence Berkeley National Laboratory (deadline Nov. 19, 2021)

[Faculty Opening in Astromaterials, Solar System, and Planetary System Formation](#) - Washington University in St. Louis (Deadline Nov. 24, 2021)

[Assistant Professor in Gravitational Wave Experiments](#) - University of California, Berkeley (Deadline Nov. 26, 2021)

[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)

[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 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 (Deadlines **Dec. 1, 2021** for early consideration and Feb. 1, 2022 for final consideration)

[Wilson Fellowship](#) - Fermilab (Deadline Nov 19, 2021)

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

## Fellowship Opportunities

Science Policy Fellowships: [Congressional Fellowship](#) (deadline Dec. 1, 2021) - AIP



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