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# Yale Physics



**Friday, November 5, 2021**

## Events

### Monday, November 8

- 4:00 pm **Physics Club:** *Biological Microscopy Beyond the Diffraction Limit of Light*, Joerg Bewersdorf, Yale University, [zoom](#), password 008008. Host: Keith Baker.
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Decoding and investigating the epitranscriptome with new tools*, Tao Pan, University of Chicago, [zoom](#). Host: MB&B Graduate students.
- 4:00 pm **Department of Chemistry Inorganic Chemistry Seminar:** *Ligand Flexibility in Surface-Inspired Cluster Chemistry*, Neil C. Tomson, University of Pennsylvania, [zoom](#). Host: Professor Patrick Holland.

### Tuesday, November 9

- 12:00 pm **WIDG Seminar:** *Implementing Experimental Blinding on HAYSTAC*, Claire Laffan, Yale University, [zoom](#), password 469182. Host: Tong Liu. [Register here for lunch](#).
- 1:00 pm **Yale School of Medicine Department of Cell Biology Seminar:** *What we learned from pushing and pulling biomolecular assemblies*, Zheng Shi, Rutgers University, [zoom](#), password 090227. Hosts: Chee San Tong & Maohan Su.
- 4:00 pm **Department of Chemistry Physical and Theoretical Chemistry Seminar:** *How Dimensionality, Topology, and Void Space Influence the van der Waals Scaling Landscape across the Nanoscale*, Robert A. DiStasio Jr., Cornell University, [zoom](#), password 312678. Host: Professor Sharon Hammes-Schiffer.

### Wednesday, November 10

- 3:30 pm **Earth & Planetary Sciences Colloquium:** *Title TBA*, Dalton Hardisty, Michigan State University, contact department for zoom information.
- 4:15 pm **Department of Mathematics Colloquium:** *Thresholds*, Jeff Kahn, Rutgers University, [zoom meeting ID: 947 9366 7412](#).

### Thursday, November 11

- 1:00 pm **Nuclear Particle Astrophysics Seminar:** *New way of searching for Beyond the*

*SM particles; monopoles and beyond* , Mesut Arslanok, Yale University, [zoom](#), password 441777

- 1:00 pm **Yale Systems Biology Institute Seminar:** *Combinatorial aspects of protein scaffolds*, Walter Fontana, Harvard Medical School, Blavatnik Institute, please contact [Benita Palmer](#) for the zoom link.
- 2:30 pm **Yale Astronomy Virtual Colloquium:** *Breaking through the Eddington limit: A study of accreting highly magnetized Neutron stars*, Georgios Vasilopoulos, Yale University, contact department for zoom information.

## Friday, November 12

- 9:00 am **Dissertation Defense:** *Jet to Event Activity Correlations in Small System Collisions at STAR*, David Stewart, Yale University, [zoom](#). Thesis Advisor: Helen Caines.
- 1:00 pm **Prospective Student Webinar:** *Physics & Astronomy*, Rona Ramos & Helen Caines, Yale University, [register today](#).

[More events](#)

## News



### Helen Caines and Ben Machta featured in Yale News "Insights & Outcomes"

Helen Caines, professor of physics was featured for her work on the STAR collaboration and Ben Machta, assistant professor of physics was featured for his work on how cell proteins signal each other.



### Emily Kuhn selected for NASA Postdoctoral Program Fellowship

Graduate student Emily Kuhn has been awarded a NASA Postdoctoral Program (NPP) fellowship for her proposal "Instrument Development for Next-Generation Radio Telescopes".



### Yale Physics and the Energy Sciences Institute

The Yale Physics department has joined the presence on West Campus with the labs of Eduardo da Silva Neto, assistant professor in physics, and Steven Konezny, associate research scientist in physics and chemistry, located in the Energy Sciences Institute.

**Physics majors welcomed into**



## department in annual hoodie ceremony

The Yale University Physics Department officially welcomed 28 newly-declared undergraduate majors in physics, physics (intensive), physics and philosophy, and mathematics and physics in its annual hoodie ceremony on Friday, October 29, 2021.

[More news](#)

## Community

### Climate and Diversity Committee News

In October 2020, President Peter Salovey announced a series of actions to advance Yale's commitment to diversity, inclusion, and belonging in ways that are essential to achieving the university's mission. In a [recent message](#) to the community, he shared an update on progress made for each initiative in the past year.

*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

[Assistant Professor Position in Quantum Condensed Matter and Atomic Molecular and Optical Physics](#) - NYU (Deadline Nov. 8, 2021)

[Assistant Professor of Theoretical Soft Condensed Matter Physics](#) - NYU (Deadline Nov. 8, 2021)

[Tenure-track Assistant Professor Position](#) - University of Minnesota Duluth (Deadline Nov. 10, 2021)

[Faculty Position in Experimental Particle Physics](#) - University of California, Davis (Deadline Nov. 15, 2021)

[Faculty Position in Experimental or Theoretical Physics](#) - Caltech (Deadline Nov. 15, 2021)

[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 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)

[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)

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

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

Postdoctoral positions

[University of Chicago Fellowship Opportunities:](#)

- Kadanoff Fellowship in Theoretical Physics ([Webpage](#): Deadline Nov. 15, 2021)
- KICP Fellowship in Cosmological Physics ([Webpage](#): Deadline Nov. 15, 2021)
- Fermi, McCormick, Oehme Fellowship in Particle Physics, Astro Physics & Astronomy ([Webpage](#): Deadline Nov. 7, 2021)

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

[Postdoctoral Research Positions](#) - Perimeter Institute (Deadline Nov 8, 2021)

[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](#)

## 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)

[CCAPP Postdoctoral Fellows](#) - Ohio State University (Deadline Nov 12, 2021)

[Graduate Student Research \(SCGSR\) Awards](#) - DOE Office of Science (Deadline Nov 10, 2021)

[NASA Space Technology Graduate Research Fellowships](#) - National Aeronautics and Space Administration's (NASA) Space Technology Mission Directorate (STMD) (Deadline Nov 2,

2021)

## 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)

## Fellowship Opportunities

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



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