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# Yale Physics

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## Upcoming Events

### Monday, November 9

**1:00pm: Department of Chemistry event.** [Celebration of Women in Chemistry](#) via zoom. Register here for the [webinar](#) and/or the [networking session](#).

**4:00pm: Physics Club.** Washington Taylor, MIT, "[Physics and Energy](#)" via zoom. Host: Walter Goldberger.

**4:00pm: Department of Chemistry Biophysical seminar.** James Fraser, University of California San Francisco, "[Using structural biology to find new inhibitors for antibiotic resistance, COVID, and other bad things we need to stop](#)" via zoom.

### Tuesday, November 10

**1:00pm: WIDG Seminar.** Yunpeng Ji, Yale University, "[Many-body Physics with Ultracold Homogeneous Fermi Gases](#)" via zoom. Host: Mike Sas.

**3:30pm: Particle Theory Seminar.** Mark Mezei, SUNY Stony Brook, "[Fine probes of quantum chaos](#)" via zoom.

### Wednesday, November 11

**3:30pm: Earth & Planetary Science Colloquium.** Noah Planavsky, Yale University, "[What we talk about when we talk about the carbon cycle](#)" via zoom, email department for link.

**4:00pm: Molecular, Cellular and Developmental Biology Seminar.** Andrew Hidalgo Alonso, Spanish National Centre for Cardiovascular Research, CNIC, "Hungry macrophages of the heart" via [zoom](#). Host: Valerie Horsley.

**4:15pm: Department of Mathematics Colloquium.** Vadim Gorin, University of Wisconsin Madison, "[Algebraic surprises of the infinite beta random matrix theory](#)" via zoom, email department for link.

## Thursday, November 12

**2:30pm: Department of Astronomy Colloquium.** Alexie Leauthaud, University of California Santa Cruz, "[The Galaxy-Halo Connection from Gravitational Lensing](#)" via zoom, email department for link.

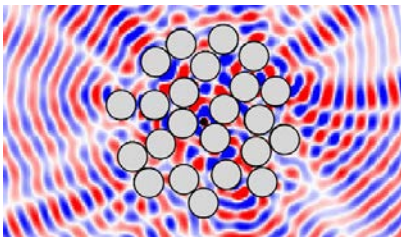
**7:30pm: Yale Quantum Institute public talk.** Douglas Stone, Yale University, "[Why should you care about Quantum Computers?](#)" via zoom. [Register here to receive Zoom link.](#)

## Friday, November 13

**3:00pm: Wright Lab Advanced Prototyping Centre Workshop.** [Advanced topics in design for instrumentation](#) via zoom.

[More events](#)

## News



### **Douglas Stone (Carl A. Morse Professor of Applied Physics) "Breaking symmetries for a new generation of materials"**

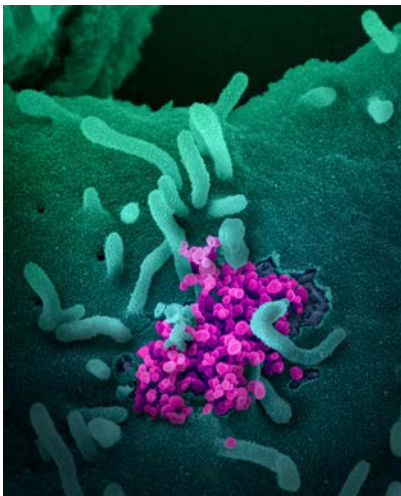
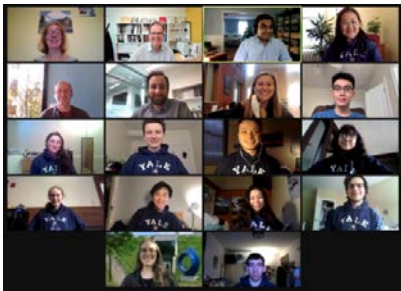
From Yale News (October 29, 2020), "Breaking symmetries for a new generation of materials".

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### **Thierry Emonet (Professor of Molecular, Cellular and Developmental Biology) "How insects find their targets in a chaotic world"**

From Yale News (November 3, 2020), "How insects find their targets in a chaotic world".

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## Physics majors welcomed into department in annual hoodie ceremony

The Yale University Physics Department officially welcomed 47 newly-declared undergraduate majors in physics, physics (intensive), physics and geosciences, physics and philosophy, and mathematics and physics in its annual hoodie ceremony on Friday, November 6, 2020.

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## COVID-19 Update - November 6th update

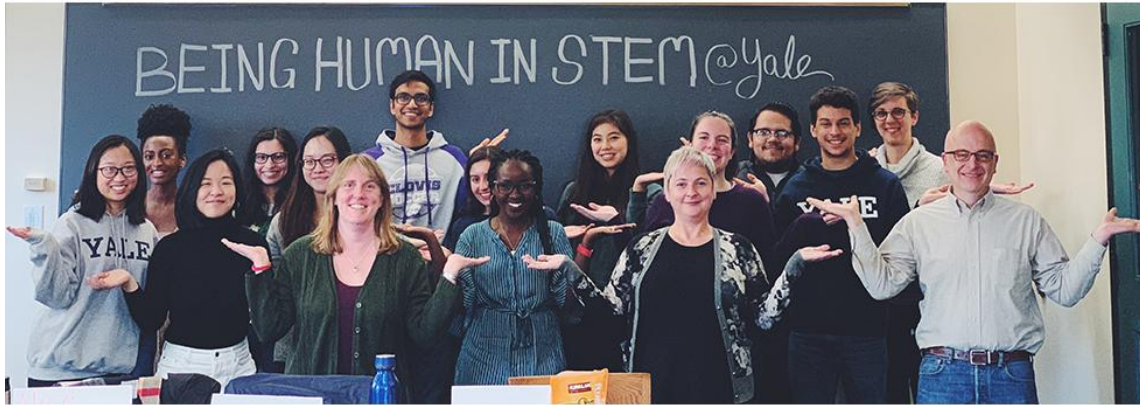
November 6, 2020: Update from the Provost and the University COVID-19 Coordinator with New University Health and Safety Guidance.

Please check [Yale COVID-19 Statistics](#) for current statistics. The current COVID-19 Alert Level is Yellow (see the site for an explanation).

- [COVID-19 Workplace Guidance website](#)
- [Yale College COVID-19 Announcements and FAQs](#)
- [Graduate School for Arts and Sciences 2020-2021 Academic Year FAQs for Graduate Students](#)
- [Further information on Yale's response](#)
- [Yale Physics COVID-19 site](#)

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# Community



## Climate and Diversity Committee

This article just out in PLOS outlines "[Ten simple rules for women principal investigators during a pandemic](#)". However, their suggestions are applicable to all of us trying to work or study while surviving all the extra pressures the pandemic has created at home. Rule 0 "There are literally no rules" is the most important. The challenges faced by some of us are totally different to those faced by others. This means there is no rule book we can all follow, instead they offer 10 suggestions they have found helpful. Hopefully you can adapt them to your own unique circumstances. Each "rule" is accompanied by a suggestion to university leadership regarding improvements to institutional policies to provide better support. Suggestion 5: Remember, you know yourself best "... you know the things that have historically helped you relieve stress. Make a list of 10 of them. Some of them may not be an option during quarantine (oh, how some of us miss writing in coffee shops). But for those that are an option, try to do 1 of them every now and then. ....It doesn't have to be every day, it doesn't have to be long periods of time—but you have to find time for your mental health." This is especially important during this election period.

*If interested in joining the CDC, please contact [Helen Caines](#), Chair of CDC. You may contact the whole committee at [physics-cdc@mailman.yale.edu](mailto:physics-cdc@mailman.yale.edu)*

## External Opportunities

### Faculty positions

[Faculty Position in Particle Theory - University of California - Berkeley](#) (Deadline November 8, 2020)

[Faculty Position in Theoretical Condensed Matter Physics - University of California - Davis](#) (Deadline November 15, 2020)

[Faculty Position in Theoretical Physics - Department of Physics, Princeton](#) (Deadline November 15, 2020)

[Faculty Positions at the Perimeter Institute in Quantum Matter and Quantum Information Science](#) (Deadline December 1, 2020)

[Faculty Position in Theoretical Particle Physics at NYU](#) (Deadline December 1, 2020)

[Faculty Position in Electrical Engineering](#) - Department of Electrical Engineering, Princeton (Deadline December 31, 2020)

[Faculty Position in Applied Physics at Cornell University](#) (Deadline January 1, 2021)

## Research Grants

[OPRA Association's Physics Grants](#) (Deadline April 15, 2021)

## Fellowships

[Patti Grace Smith Fellowship](#) (Deadline November 15, 2020)

[American Physical Society Congressional Science Fellowship](#) (Deadline December 15, 2020)

[Perimeter Scholars International Program \(PSI\)](#) - Early Application Deadline: November 15, 2020 & Final Application Deadline: February 1, 2021.

## Undergraduate Research

[Summer Research Experience for Undergraduates in Nanoscience and Engineering](#) at Vanderbilt Institute of Nanoscale Science and Engineering (Deadline February 15, 2021).

[Quantum Undergraduate Research at IBM and Princeton](#) (Deadline: January 15, 2021)

[Caltech WAVE Fellows Undergraduate Research Program](#) (Deadline January 9, 2021).

[Undergraduate School on Experimental Quantum Information Processing and Undergraduate Research Award](#) at the University of Waterloo, Canada (Deadline January 5, 2021).

[REU Program In Neutrino Physics](#) at The Center for Neutrino Physics, Virginia Tech (Application Cycle December 1, 2020 - February 1, 2021)



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