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Yale Physics



Upcoming Events

Monday, November 2

4:00pm: Physics Club. Eric Adelberger, University of Washington, "[The 2021 Breakthrough Prize in Fundamental Physics](#)" via zoom. Host: Keith Baker.

Tuesday, November 3

3:30pm: Particle Theory Seminar. Murat Kologlu, Oxford University, "[Holographic correlators at finite temperature](#)" via zoom.

4:00pm: Department of Chemistry Physical/Biophysical Seminar. Kevin Welsher, Duke University, "[Untethering single molecule spectroscopy and the shape of \(intracellular\) water](#)" via zoom.

Wednesday, November 4

9:30am: Earth & Planetary Science Colloquium. Anusuya Chinsamy-Turan, University of Cape Town, "[Deciphering Biological Signals from Fossil Bone Microstructure](#)" via zoom, email department for link.

3:00pm: Yale Physics Professional Development Organization Alumnae Panel. Ariana Hackenburg (Machine Learning Engineer at Wayfair), Sylvia Xin Li (Postdoc at MIT), Catherine Matulis (Engineer in the Engineering Development Group at MathWorks), and Savannah Thais (Postdoc at Princeton University), "[Career paths taken by Yale Ph.D. Students](#)" via zoom. Host: Emma Castiglia.

4:00pm: Department of Molecular, Cellular and Developmental Biology Seminar. Ertugrul Ozbudak, Cincinnati Children's Medical Center, "[Segmentation clock gene pairing drives robust pattern formation](#)" via zoom. Host: Murat Acar.

4:00pm: Department of Chemistry Organic Seminar. Tuoping Luo, Peking University, "[Title to be announced](#)" via zoom, email department for link.

Thursday, November 5

1:00pm: Condensed Matter Seminar. Allan MacDonald, University of Texas Austin, "[Title TBA](#)" via zoom. Host: Meng Cheng.

1:00pm: NPA Seminar. Madgalena Djordjevic, Institute of Physics Belgrade, "[Heavy Flavors in Jets in Heavy Ion Collisions](#)" via zoom.

2:30pm: Department of Astronomy Colloquium. Aleksandra Kuznetsova, University of Michigan, "[Reimagining Protostellar Disk Formation and Evolution](#)" via zoom, email department for link.

Friday, November 6

12:00pm: Yale Quantum Institute Talk. Jahan Claes, University of Illinois Urbana-Champaign, "[Character randomized benchmarking with multiplicity: applications to subspace and matchgate randomized benchmarking](#)" via zoom, email department for link. Host: Shruti Puri.

[More events](#)

News



Claire Laffan '21 featured in SPS newsletter

Claire Laffan, '21, who has done research with Horace D. Taft Associate Professor of Physics Sarah Demers on both her Mu2e and ATLAS projects, was featured in the October 28th (volume 4) of the Yale Society of Physics Students' newsletter.

[Read More](#)

Wright Lab's Jean Wang '22 featured in SPS newsletter

Jean Wang, '22, who has done research at Wright Lab with Associate Professor of Physics Reina Maruyama on the HAYSTAC project, was featured in the September 22nd (volume 2) issue of the Yale Society of Physics Students' newsletter.

[Read More](#)



Zach Andalman '23 featured in SPS newsletter

Zach Andalman, '23, who has done research in the Strontium Lab with Assistant Professor Nir Navon, was featured in the September 8th (volume 1) issue of the Yale Society of Physics Students' newsletter. This was the first in a regular series of articles spotlighting an undergraduate student.

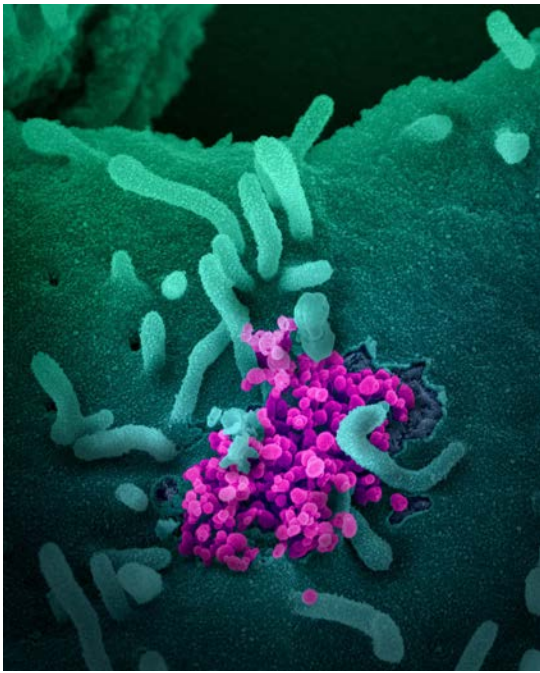
[Read More](#)

COVID-19 Update - October 30th update

October 30, 2020: Nothing new this week so keep up the good work.

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

[Read More](#)

Community



Climate and Diversity Committee

Many of us are familiar with the concept of the “growth mind-set” vs the “fixed mind-set”. A fixed mind-set assumes our character and intelligence are static inherent givens. The growth mind-set counters that our talents can be developed, through hard work, good strategies, and input from others. However, the article [The Need to Combat a False Growth Mind-Set](#) by Omid Fotuhi warns that we may be over simplifying the concept with important nuances getting overlooked or conveyed ineffectively. He reports that common errors include **overemphasis on effort** - *its important to also help develop effective study habits*, **offering praise as consolation for poor performance** - *its important to provide feedback on errors and how to improve*, **blaming the student's mind-set for poor performance** - *don't just talk about a growth mind-set support student's struggles and foster identifying and appreciating their progress*.

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

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 \(Deadline December 31, 2020\)](#)

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 \(Deadline February 15, 2021\).](#)

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

This email was sent by: Department of Physics, Yale University
P.O. BOX 208120, New Haven, CT, 06520-8120 United States

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

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