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Yale Physics



Upcoming Events

Monday, March 9

10:00am: Dissertation Defense. Robert Blum, Yale University, "[Applying novel NMR techniques to many-body spin systems, and novel reconstruction techniques to NMR data](#)" in Sloane Physics Lab 57. Thesis Advisor: Sean Barrett.

11:00am: Experimental Quantum Seminar. Alex McLeod, Columbia University, "[Quantum phase transitions through the nano-lens: exploration and control with low-temperature nano-optics](#)" in Sloane Physics Lab 59. Host: Bonnie Fleming.

Tuesday, March 10

2:30pm: Dissertation Defense. Claudia Lau, Yale University, "[Structural characterization of epitaxial oxide heterostructures via X-ray scattering](#)" in Mann Engineering Student Center (Dunham Lab 107). Thesis Advisor: Charles Ahn.

Wednesday, March 11

11:00am: Experimental Quantum Seminar. Nicholas Laurita, California Institute of Technology, "[Shining Light On Quantum Materials](#)" in Sloane Physics Lab 59. Host: Bonnie Fleming.

4:00pm: Department of Molecular, Cellular and Developmental Biology Seminar. Ertuğrul Özbudak, Cincinnati Children's Hospital Medical Center, "[Correlated expression of segmentation clock genes drive robust pattern formation](#)" in Yale Science Building O.C.

[More events](#)

News



Basu, Fischer, Urry named inaugural American Astronomical Society Fellows

The American Astronomical Society (AAS) has named a trio of Yale astronomers among its inaugural class of fellows.

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Latest CUORE release improves understanding of the neutrino

Yale Physics researchers, part of an international collaboration called the Cryogenic Underground Observatory for Rare Events (CUORE), are searching for evidence of a rare particle process called neutrinoless double-beta decay. Finding it would have profound implications for understanding neutrinos — the ghostly, plentiful particles that pass through most matter in the universe without being affected themselves. The process might also help explain why there is more matter in the universe than antimatter (which has the same mass as matter, but an opposite electric charge).

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APS News (March 2020), “The CUWiP Experience at Yale”

The CUWiP Experience at Yale
By Leah Poffenberger

On a blustery Friday afternoon in January, nearly 200 undergraduate women seeking degrees in physics



arrived at the Sloane Physics Laboratory on the Yale University campus, full of excitement for the coming weekend. Over the next two days, attendees would have the chance to network with their peers, hear from accomplished women in physics, and gather resources for their future physics careers.

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Shilo Xia defends graduate thesis “Search for Neutrinoless Double Beta Decay and Detector Physics Measurements with the Final EXO-200 Dataset”

On February 26, 2020, Shilo Xia successfully defended her thesis: “Search for Neutrinoless Double Beta Decay and Detector Physics Measurements with the Final EXO-200 Dataset” (Advisor: David Moore).

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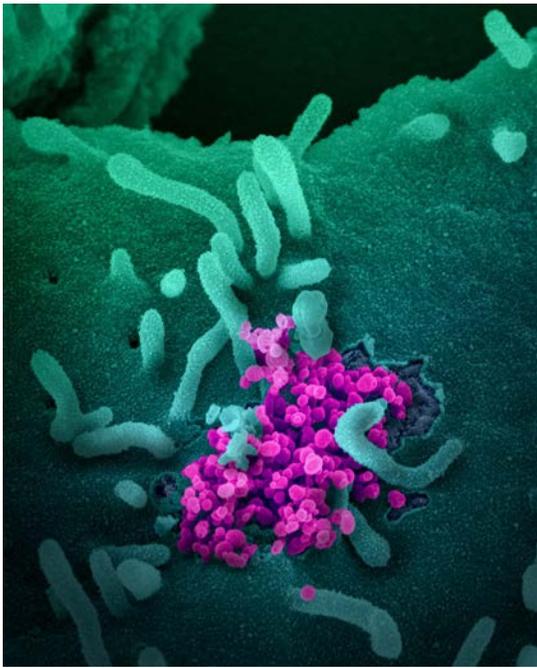


Norman Lam defends graduate thesis “Inhibitory Regulation of Cognitive Functions in Cortical and Thalamic Circuits: Computational Mechanisms and Experimental Predictions”

On February 25, 2020 Norman Lam successfully defended his thesis: “Inhibitory Regulation of Cognitive Functions in Cortical and Thalamic Circuits: Computational Mechanisms and Experimental Predictions” (Advisor: John Murray).

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COVID-19 Update – Travel, Yale Health Guidance, and University Planning and Response



We are continuing to monitor the spread of COVID-19, and we write to provide updates related to COVID-19 and travel. Please review Yale's new COVID-19 website for additional information as well as a link to this and past announcements.

COVID-19 spread and response continue to change rapidly for travelers abroad as well as in this country. Keep in mind that any travel may be disrupted in the coming months. Other countries and regions may be added to the Centers for Disease Control and Prevention's (CDC's) Level 3 Travel Warning (as Italy and Iran have been recently), and travelers who have been in those areas would be asked to self-isolate upon returning to campus. In addition, more foreign governments are imposing travel restrictions, such as closing borders, and as more restrictions are imposed, there is some risk of travelers being forced to remain in a country. We urge you to consider carefully your travel choices and whether it is necessary to travel at this time.

More

Community



Climate and Diversity Committee

Its Spring break! Most of us can't take the whole two weeks of, but studies show taking short breaks can have a positive impact on our physical and mental health. In addition this report (<https://www.ncbi.nlm.nih.gov/pubmed/24749966>) suggests that walking can lead to more creative inspirations than just sitting. So if you find yourself hitting a mental wall, taking a short stroll might just get your creativity flowing again.

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



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

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