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Yale Physics



Upcoming Events

Monday, October 21

12:00pm: Department of Molecular, Cellular and Developmental Biology Seminar. Murat Acar, Yale University, "[Systems Biology of single-cell aging: from gene expression and noise dynamics to lifespan extension](#)" in Bass 305. Host: Vivian Irish. Tea at 11:45am.

3:30pm: Physics Club. Idai Cohen, Cornell University, "[Electronically integrated cell sized robots](#)" in SPL 59. Host: Karsten Heeger. Tea following the talk.

4:00pm: Department of Chemistry Silliman Lecture in Inorganic Chemistry. Christophe Copéret, ETH Zurich, "[Controlled Functionalization of Surfaces towards Single-Site Catalysis and Beyond](#)" in SCL 160.

Tuesday, October 22

12:00pm: Nuclear Particle Astrophysics (NPA) Seminar. Walter Pettus, University of Washington, "[LEGEND in the Making: The ⁷⁶Ge Program for Neutrinoless Double Beta Decay](#)" in WL 216. Host: Pranava Surukuchi.

4:00pm: Particle/High Energy Theory Seminar. Luca Iliesiu, Princeton, "[On 2D gauge theories in Jackiw-Teitelboim gravity](#)" in SPL 52. Host: David Poland.

4:00pm: Department of Chemistry Colloquium. Timothy Newhouse, Yale University, "[Chemical and Computational Strategies for the Total Synthesis of Neuroactive](#)"

Terpenoids" in SCL 160.

Wednesday, October 23

1:00pm: Solid State & Optics Seminar. Rasmus Christiansen, Technical University of Denmark, "[Topology Optimization: Not Just Throwing Parameters at the Wall](#)" in DL 107 (Mann Engineer Student Center). Host: Owen Miller..

4:00pm: Department of Molecular, Cellular and Developmental Biology Seminar. David Feldser, University of Pennsylvania Perelman School of Medicine, "[Deconstructing lung adenocarcinoma progression](#)" in YSB Marsh Lecture Hall. Host: Nadya Dimitrova. Tea at 3:45pm.

Thursday, October 24

1:00pm: Condensed Matter Seminar. Yuan Tao, Tokyo, "[Title TBA](#)" in SPL 52.

1:00pm: Nuclear Particle Astrophysics (NPA) Seminar. Masha Baryakhtar, NYU, "[Searching for Ultralight Bosons with Black holes and Gravitational Waves](#)" in WL 216. Host: Pranava Surukuchi. Lunch at noon in WL 216 RSVP Required.

2:30pm: Yale Astronomy & Astrophysics Colloquium. Andreas Zezas, University of Crete, "[Characterization and demographics of X-ray binaries in nearby galaxies](#)" in WTS A-51.

3:00pm Atomic Physics Seminar. Ben Laws, Australian National University, "[Solving spectroscopy puzzles with high resolution photoelectron imaging](#)" in SPL 52. Host: Jack Harris.

Friday, October 25

4:00pm: Geology & Geophysics Colloquium. Allison Wing, Florida State University, "The role of radiative-convective feedbacks in tropical cyclone formation in numerical simulations" in KGL 123.

[More events](#)

News



Raymond Ehlers successfully defense thesis “Jet-Hadron Correlations Measured in Pb–Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE”

On October 10, 2019, graduate student Raymond Ehlers successfully defended his thesis, “Jet-Hadron Correlations Measured in Pb–Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE” (advisor Helen Caines).

[Read More](#)

Community



Climate and Diversity Committee

October is Depression Screening month, about half of employees with depression are untreated. Yet with proper treatment, you can get better. Depression affects almost 7% of the population and can affect anyone—even a person who appears to live in relatively ideal circumstances - and while it can strike at any time it often first appears during the late teens to mid-20s. Depression is not just about feeling sad. Other symptoms can be a loss of interest in work or social activities, difficulty concentrating, slowed thoughts, forgetfulness or trouble making decisions, trouble sleeping, or sleeping too much, feelings of worthlessness or inappropriate guilt, increased fatigue, Irritability, anger or tearfulness. All of which decrease your ability to function.

Left untreated depression may have a significant negative impact on your life and work performance. Like most other health conditions, early detection and effective treatment lessens the severity and impact of the condition. Yale Health is holding a walk-in depression screening on Tues October 22 from 9-2 on the lower level in the behavioral health department. They also provide an anonymous confidential online screening. Visit Magellan's website to complete the [online depression screening](#)

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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