

# Yale Physics

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## Upcoming Events

### **Monday, March 2**

**9:00am:** Dissertation Defense. Luyao Jiang, Yale University, "[Nonreciprocal dynamics in a cryogenic optomechanical system](#)" in Sloane Physics Lab 52. Thesis Advisor: Jack Harris.

**4:00pm:** Department of Chemistry Lecture in Inorganic Chemistry. Aaron Sattler, ExxonMobil, "[C-H Activation & Hydrogen/Deuterium \(H/D\) Exchange: Mechanistic Insight on Heterogeneous Catalysts](#)" in Sterling Chemistry Lab 111.

**4:00pm:** Department of Molecular Biophysics & Biochemistry Colloquium. Ronald Levy, Temple University, "[Exploring Fitness and Energy Landscapes of Proteins](#)" in Bass 305 (Broadcast in SHM C103). Host: Jeffrey Townsend. Tea at 3:45pm.

**4:30pm:** Department of Mathematics Geometry, Symmetry and Physics Seminar. Alba Grassi, Stony Brook, "[Non-perturbative approaches to quantum Seiberg–Witten curves](#)" in Leet Oliver Memorial Hall 214.

### **Tuesday, March 3**

**10:30am:** Experimental Quantum Seminar. Wenchao Xu, Massachusetts Institute of Technology, "[Quantum nonlinear optics with Rydberg polaritons](#)" in Sloane Physics Lab 59. Host: Bonnie Fleming.

### **Wednesday, March 4**

**4:00pm:** Department of Molecular, Cellular and Developmental Biology Seminar. Philipp Voigt, University of Edinburgh, "[Nucleosomal Asymmetry Shapes Histone Mark Binding at Bivalent Domains](#)" in Yale Science Building O.C. Marsh Lecture Hall. Host: Yannick Jacob. Tea at 3:45pm.

**4:00pm:** Department of Earth & Planetary Sciences Colloquium. Alexey Fedorov, Yale University, "Title TBA" in Kline Geology Laboratory 123.

### **Thursday, March 5**

**11:00am:** Experimental Quantum Seminar. Phillip Preiss, Heidelberg University, "[Zooming in on Ultracold Few-Fermion Systems](#)" in Sloane Physics Lab 59. Host: Bonnie Fleming.

**12:00pm:** Nuclear-Particle-Astrophysics Seminar. Satya A. Gontcho, University of Rochester, "[Cosmology with Quasars in the era of the Dark Energy Spectroscopic Instrument](#)" in Wright Lab 216. Host: Benjamin Saliwanchik. [RSVP for lunch](#).

**1:00pm:** Special Theoretical Physics Seminar. Ian Moult, Stanford, "[Novel Tools in Effective Field Theory: From Jet Substructure to Dark Matter](#)" in Sloane Physics Lab 51. Host: Witold Skiba.

**2:30pm:** Yale Astronomy & Astrophysics Colloquium. Christopher Spalding, Yale University, "[The dynamical role of the Solar wind in the formation and evolution of the terrestrial planets](#)" in Watson Center A-51.

### **Friday, March 6**

**1:30pm:** Dissertation Defense. Arpit Dua, Yale University, "[Structure of fracton stabilizer models](#)" in Sloane Physics Lab 56. Thesis Advisor: Meng Cheng & Liang Jiang.

[More events](#)

## **News**



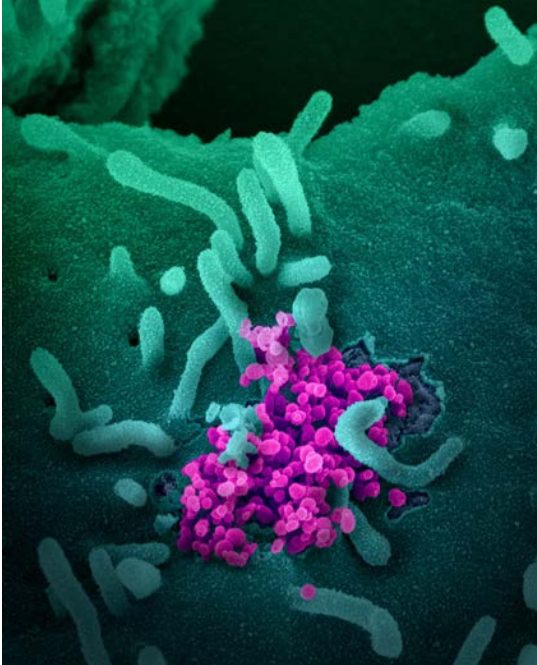
### **Yale News (February 25, 2020), "Yale to explore new building for quantum research and engineering"**

Following a key recommendation from a major university report on Yale's science priorities, the university will consider developing a state-of-the-art building that is intended to transform the pursuit of quantum science, engineering, and materials research.

[More](#)

### **COVID-19 Update from Yale Health**

In response to guidance from the Centers for Disease Control and Prevention (CDC), Yale is asking all travelers arriving to campus from mainland China and from South Korea to complete this [registration form](#) and to self-monitor and self-isolate for 14 days using [these guidelines](#) . If a traveler has returned



from mainland China or South Korea more than 14 days ago and is asymptomatic (i.e., no fever, cough, fatigue, and/or difficulty breathing), then no further action is needed. You can read more about [symptoms of COVID-19](#).

See more information on the [Yale Health announcement webpage](#).

[More](#)



**Luke Burkhart defends graduate thesis “Error-Detected Networking for 3D Circuit Quantum Electrodynamics”**

On February 19, 2020 Luke Burkhart successfully defended his thesis: “Error-Detected Networking for 3D Circuit Quantum Electrodynamics” (Advisor: Rob Schoelkopf).

[More](#)



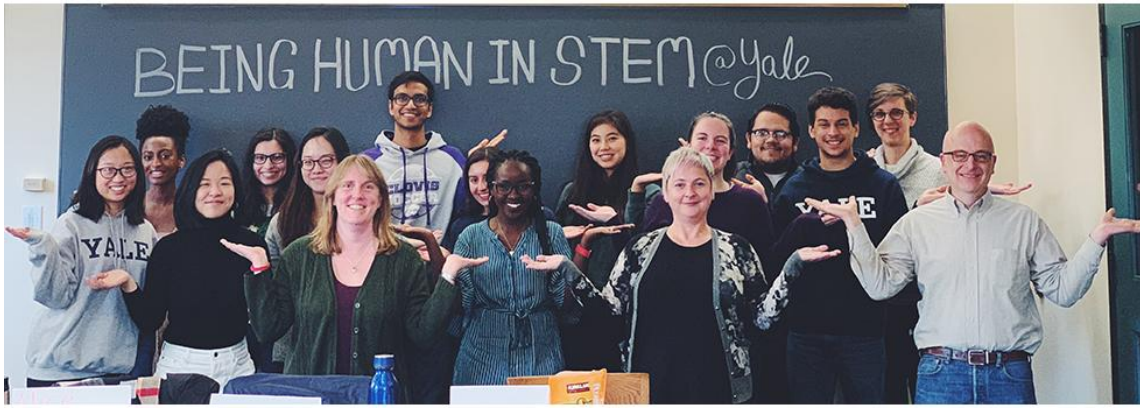
**Judith Hoeller defends graduate thesis “Topological quantization of Berry phases in quantum and classical systems”**

On February 21, 2020 Judith Hoeller successfully defended her thesis: “Topological quantization of Berry phases in quantum and classical systems” (Advisor: Nicholas Read).

[More](#)

## Community





## Climate and Diversity Committee

Health issues are not always visible but can still disrupt lives. Below is an interesting perspective on living with epilepsy as an active scientist

[https://www.sciencemagazinedigital.org/sciencemagazine/28\\_february\\_2020?folio=1062](https://www.sciencemagazinedigital.org/sciencemagazine/28_february_2020?folio=1062)

*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)*

## Opportunities

### 3rd Annual Postdoc Symposium: Extension of abstract deadline

If you haven't done so already, please register to attend or submit your abstract for presentation (10 min talk, flash talk or poster) [here](#). Abstracts (and posters) which have been submitted and presented elsewhere are most welcome! We will also be hosting a social event at the end of the symposium, open to all Postdocs and ARS regardless of conference attendance. Details to come. If you would like to know more or volunteer with the symposium organization or on the day, please visit [our website](#) or contact us at [ypa.symposium@yale.edu](mailto:ypa.symposium@yale.edu).



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