

## Yale Physics



### Upcoming Events

#### Friday, October 16

[4:00pm](#) Sigma Pi Sigma Induction Ceremony via zoom.

#### Monday, October 19

[4:00pm](#) Physics Club. Eve Marder, Brandeis University, "Individual Variability and Differential Resilience in Neurons and Networks" via zoom.

[4:00pm](#) Department of Molecular Biophysics and Biochemistry Colloquium. Luisa Escobar-Hoyos, Yale University, "Is altered RNA splicing required for KRAS-driven tumors?" via zoom.

[4:00pm](#) Department of Chemistry Biophysical Seminar. Judith Frydman, Stanford University, "Title TBA" via zoom.

#### Tuesday, October 20

[11:00am](#) Department of Molecular Biophysics and Biochemistry Postdoctoral Candidate Seminar. Avinash Kumar, Simon Fraser University, Canada, "Exponentially faster cooling in a colloidal system" via zoom.

[12:00pm](#) Special Seminar. Kuheli Dutt, Columbia University, "Diversity, Equity, and Inclusion: Addressing Systemic Racism in STEM" via zoom.

[6:00pm](#) Society of Physics Students Talk. Kaustav Mitra, Yale Department of Astronomy, "How to weigh galaxies and why do we need to?" via zoom.

#### Wednesday, October 21.

[1:00pm](#) Yale Physics Professional Development Organization Event. Dr. Grace Metcalfe, Air Force Office for Sponsored Research "Virtual Coffee Chat" via zoom.

[2:00pm](#) Undergraduate Town Hall Meeting via zoom.

[3:30pm](#) Earth and Planetary Sciences Colloquium. Daniel Ibarra, University of California Berkeley, "Drivers of warm and cold past wet states recorded by lakes in western North America" via zoom.

[4:15pm](#) Department of Mathematics Colloquium. Scott Sheffield, MIT, "Title TBA" via zoom.

## Thursday, October 22

[2:30pm](#) Department of Astronomy Colloquium. Kevin Schawinski, Modulos, "Bringing Machine Learning to the Right Level of Abstraction" via zoom.

## Friday, October 23

[10:00am](#) #BlackInPhysics Week at Yale Panel: [How to Organize a Movement](#). Charles D. Brown II (University of California Berkeley), Eileen Gonzales (Cornell University), and Xandria Quichocho (Michigan State University) via zoom.

[12:00pm](#) Yale Quantum Institute Webinar. Meng Cheng, Yale University, "[Entanglement structure of fracton topological order](#)" via YQI Virtual Space in Gather Town.

[12:00pm](#) PEB Discussion Group. Dr. Henry Mattingly, MCDB, "Are Cells Information Limited?" and Dr. Caitlin Davis, Chemistry, "SpliceosomalU1A Protein - SL2 RNA Binding Affinity Increases in Cells" via [zoom](#).

[3:00pm](#) [Advanced Prototyping Centre Workshop](#): Introduction to design for rapid prototyping via zoom.

[More events](#)

## News



### PROSPECT experiment featured in Wired magazine article "Neutrino Detectors Could Be Used to Spot Nuclear Rogues"

Wired magazine has featured the Yale-led PROSPECT experiment in its article "Neutrino Detectors Could Be Used to Spot Nuclear Rogues".

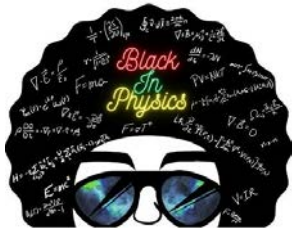
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### Wright Lab alumni spotlight on scientist and advocate Charles D. Brown II

Wright Lab alum Dr. Charles D. Brown II is an experimental quantum physicist at the University of California, Berkeley, a passionate science communicator, and a champion for Black Americans in STEM. Of particular note, he is a co-founder of #BlackInPhysics week, which will be held for the first time this October. He graduated from Yale Physics in 2019; his thesis was on the "Optical, Mechanical and Thermal Properties of Superfluid Liquid Helium Drops Magnetically-Levitated in Vacuum" (advisor Jack Harris).

[More](#)



### #BlackInPhysics Week events at Yale

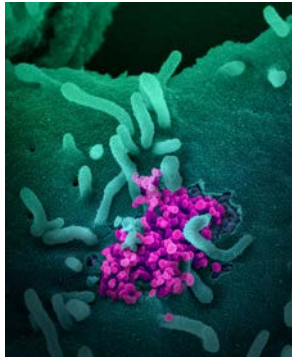
#BlackInPhysics Week, which will be held on October 25-31, 2020, is "dedicated to celebrating Black physicists, [their] scientific contributions, and revealing a more complete picture of what a physicist looks like". Yale Physics will be hosting two events for the Yale community in conjunction with #BlackInPhysicsWeek:

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### COVID-19 Update – October 16th update

October 16, 2020: Update from the University COVID-19 Coordinator with important information regarding the recent raising of the University's COVID-19 alert status from Green to Yellow.

Please check [Yale Covid-19 Statistics](#) for current statistics. The

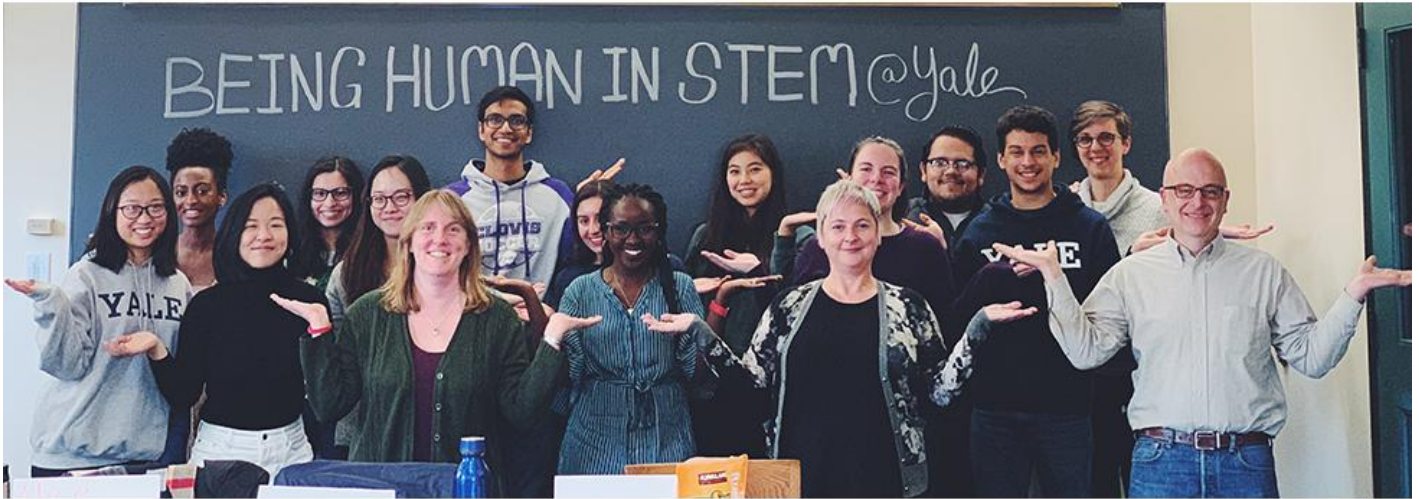


current COVID-19 Alert Level is Yellow (see the site for an explanation).

- [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.](#)

[More](#)

## Community



### Climate and Diversity Committee

Your input on the department's [DEI action plan \(DEIAP\)](#) continues to be important.

Please send suggestions either directly to the members of DEIAP writing group, Irem Altan, Helen Caines, Karsten Heeger, Ryan Petersburg, Rona Ramos, Geriana Van Atta, or Amber Young or leave comments in the [Google doc](#).

While the first version of this document has just been sent to the Dean's Office there is still time to make changes. While we wait for feedback from the Dean's Office we want to continue discussions and iterations within the department. We want to emphasize that this 2020 version of our DEIAP is not a final product, its a working document. We hope to use it as a guide for our activities over the next year and then revisit and revise as needed.

*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 at the University of California, Berkeley \(Deadline October 26, 2020\)](#)

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

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

#### Fellowships

[NASA CT Space Grant Consortium - look under Funding Opportunities \(Deadline October 28, 2020\)](#)

[NASA Postdoctoral Fellowship \(Deadline for current cycle November 1, 2020\)](#)

[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)



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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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