

Yale Department of Physics

Yale Physics Newsletter

March 22, 2019

For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

Hints & Tips!

Welcome to our new hints and tips section! Please email daphne.klemme@yale.edu with any helpful tips that will help us work to our best ability.

Faxes are received electronically and forwarded to various administrative staff within the Physics Department. If you are expecting a fax, please send an email to either Daphne Klemme or Cathy Barabas (for SPL); Paula Farnsworth, Kimberly Tighe, or Lil Winston (for WL); or Geriana van Atta (for Hillhouse).

Climate and Diversity Committee News

A Note from the [Climate and Diversity Committee](#) (CDC).

The CDC welcomes you back from Spring Break and would like to remind you about one of Yale's better kept secrets namely the Good Life Center (GLC) in Silliman College. While it is in one of the college's the center is open at all and "exists to spread good vibes and provide a refuge from the daily grind. Our space is located outside the stress of academia, and inside the other exhilarating parts of humanhood. It's a place to be quiet, meditate, play, create art, or do nothing at all." Visit to take one of their mindfulness courses, do a craft project, or just hang out and drink tea and keep that "just back from Spring Break" equanimity for a few more days.

The CDC convenes once a month. If interested in joining please contact Helen Caines (helen.caines@yale.edu, Chair of CDC). You may contact the whole committee at physics-cdc@mailman.yale.edu

News

News from the Library

The Yale University Library has subscribed to **Very Short Introductions** from Oxford University Press. This cross-searchable collection of eBooks can be accessed here: <http://search.library.yale.edu/catalog/14018678>.

Description:

Launched by Oxford University Press in 1995, *Very Short Introductions* offer concise introductions to a

Save the Date

The Graduate Recruitment Open House is being held Thursday, March 28 and Friday, March 29, 2019.

Seminars

Monday, March 25

1:15pm in Sloane Physics Lab 51. Special Theoretical Physics Seminar. Mauricio Martinez Guerrero, North Carolina State University, "In and out of equilibrium fluid dynamics: new developments in nearly perfect fluids". Host: Jack Harris.

3:30pm in Sloane Physics Lab 57. Physics Club. Wendy L. Freedman, The University of Chicago, "Tension in the Hubble Constant". Host: Meg Urry.

Wednesday, March 27

9:00am in Sloane Physics Lab 56. BioSoftMatter Journal Club. Zach Marin, Yale University, "Estimating sub-cellular membrane curvatures"

12:00pm in Sloane Physics Lab 52. Special Biological Physics Seminar. Farshid Jafarpur, University of Pennsylvania, "Statistical Physics of Bacterial Cells and Their Populations". Host: Nicholas Read.

12:00pm in Sloane Physics Lab 56. PEB Career Series. Research Positions in Academia. Lunch will be served starting at 11:45am.

12:00pm in Kline Geology Lab 123. Department of Geology & Geophysics Special Colloquium. Donald Fisher, Penn State University, "Modeling of Fault-Related Fold Kinematics and Marine Terrace Uplift to Estimate Active Fault Slip Rates in North Canterbury, New Zealand".

4:00pm in Sterling Chemistry Lab 160. Department of Molecular, Cellular and Developmental Biology Seminar. Guangshuo Ou, Tsinghua University, "Microtubule-based Transport in *C. elegans* Sensory Neurons". Host: Weimin Zhong. 3:45 pm Tea.

Thursday, March 28

2:30pm in Watson Center A51. Yale Astronomy & Astrophysics Colloquium. Hsiao-Wen Chen, University of Chicago, "Characterizing the Baryon Cycle over Cosmic Time".

2:30pm in Yale Quantum Institute Seminar Room. Yale Quantum Institute Talk. Michel Devoret, Yale University, "Catching and reversing a quantum jump mid-flight".

Friday, March 29

12:00pm in Watson Center A74. STEM Education Seminar. Dr. Marcos Daniel Caballero, Michigan State University, "Supporting the Integration of Numerical Computation in Physics Education". [Please RSVP for lunch](#).

4:00pm in Sloane Physics Lab 57. Graduate Open House 2019 Physics Club. Meg Urry, Yale University, "Black Holes, Galaxies and the Evolution of the Universe". Host: Sean Barrett. Tea before the talk in the Sloane Physics Lab 3rd Floor Lounge.

4:00pm in Kline Geology Lab 123. Department of Geology & Geophysics Colloquium. Donald Fisher, "Geochemical and mechanical models of the subduction interface based on field observations of the Shimanto Belt and Kodiak Island".

Saturday, March 30

10:00am in Sterling Chemistry Building. Yale Pathways to Science: Science on Saturdays. Prof. Mary-Louise Timmermans, Yale University, "Exploring the Arctic Ocean to Understand our Changing Climate". Free and open to "scientists" of all ages!

For more seminars see: <http://physics.yale.edu/calendar>

diverse range of subject areas, include further readings, and provide more context on a topic than an encyclopedia article.

According to Oxford, "all titles provide intelligent and serious introductions to a huge range of subjects, written by experts in the field who combine facts, analysis, new ideas, and enthusiasm to make challenging topics highly readable." Thus, each *Very Short Introduction* is a good way to help yourself become more self-sufficient as you learn the intellectual geography of a new area.

The library subscribes to all subject collections including: Arts & Humanities, Law, Medicine & Health, Science & Mathematics, and Social Sciences. The online collection includes more than 600 individual titles published from 2000 to the current year

The **6th Annual Yale Biophysics and Structural Biology Symposium** will take place April 26, 2019 in SCL 160. Yale graduate students and professors will present their research throughout the day. Breakfast and lunch will be provided, followed by a social hour. Graduate students/post-docs are encouraged to present a poster. [Please follow the link to register.](#)

[Click here for updated department news.](#)

Announcements

[Please click here for updates on the Yale Science Building, including a new logistics plan.](#) The project encompasses the construction of a new state of the art sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.
