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Yale Physics



Upcoming Events

Monday, January 13

1:00pm: Department of Chemistry Lecture in Theoretical Chemistry. Andres Montoya-Castillo, Stanford University, "[Exploiting memory in chemical systems: from electron & energy transfer to biomolecular dynamics using memory kernels](#)" in Sterling Chemistry Lab 160.

4:00pm: Department of Molecular Biophysics and Biochemistry Colloquium. David M. Gilbert, Florida State University, "[Regulation of Replication Timing and Chromosome Architecture](#)" in Bass 305. Host: Matthew Simon. Tea at 3:45pm.

Tuesday, January 14

1:00pm: Yale Quantum Institute Seminar. Michael Goerz, U.S. Army Research Lab, "[Prospects of Optimal Control for Superconducting Circuits](#)" in YQI Seminar Room. Host: Steven Girvin.

1:00pm Nuclear/Particle/Astrophysics Seminar. Michael Sas, Utrecht University/Nikhef, "[Probing small and large collision systems using photons: from particle production in pp collisions to measuring the space-time evolution of the Quark Gluon Plasma in AA collisions](#)" in Wright Lab 245.

4:00pm: Department of Chemistry Lecture in Biophysical Chemistry. Mike Harms, University of Oregon, "[How the biophysical properties of proteins shape their evolution](#)" in Sterling Chemistry Lab 111.

Wednesday, January 15

1:00pm: Department of Molecular Biophysics & Biochemistry Kavli Workshop "[Current Perspectives on the Generation and Analysis of Complex Data in Neuroscience](#)" in the Jane Ellen Hope Memorial Building.

4:00pm: Department of Chemistry Lecture in Organic Chemistry. Steven D. Townsend, Vanderbilt University, "[Playing Defense with Carbohydrates](#)" in Sterling Chemistry Lab 160.

4:00pm: Department of Geology & Geophysics Colloquium. Bradley Hacker, University of California, Santa Barbara, "[Title TBA](#)" in Kline Geology Lab 123.

4:15pm: Department of Mathematics Colloquium. Yunqing Tang, Princeton University, "[Thin sets of primes from reductions of abelian varieties and K3 surfaces](#)" in LOM 215.

Thursday, January 16

1:30pm: Department of Chemistry Special Theory Seminar. Xiaosong Li, University of Washington, "[Manifestation of Spin-Couplings in Computational Molecular Spectroscopies](#)" in Sterling Chemistry Lab 111.

2:30pm: Department of Astronomy Astronomy & Astrophysics Colloquium. Rachael Beaton, Princeton University, "[Title TBA](#)" in Watson Center A-51.

Friday, January 17

8:00am: American Physical Society Conference for Undergraduate Women in Physics at Yale. "[Click here for further information](#)" in various locations.

1:00pm: Department of Chemistry Chemical Biology Seminar. Ekaterina Vinogradova, The Scripps Research Institute, "[An activity-guided map of electrophile-cysteine interactoins in primary human immune cells](#)" in Sterling Chemistry Lab 160.

Saturday, January 18

8:00am: American Physical Society Conference for Undergraduate Women in Physics at Yale. "[Click here for further information](#)" in various locations.

Sunday, January 19

8:00am: American Physical Society Conference for Undergraduate Women in Physics at Yale. "[Click here for further information](#)" in various locations.

[More events](#)

News

Spring Semester 2020

Spring Term classes start January 13, 2020. Please note that classes will NOT meet on Monday, January 20, 2020 due to the Martin Luther King,



Jr. Holiday rather they will meet on Friday, January 17, 2020 instead.

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Brookhaven Lab chosen as a site for \$1.6 billion collider

We are excited to report that Brookhaven National Laboratory (BNL), which has a strong research partnership with Yale, has been selected as the location for the next generation Electron-Ion Collider (EIC). Congratulations in particular to Wright Lab adjunct professor Thomas Ullrich, who has been one of the key players in this success, and to everyone else at BNL and active in the EIC Users group who have made this happen.

[Read More](#)



American Physical Society Conference for Undergraduate Women in Physics at Yale (January 17-19, 2020)

We are so excited to be hosting APS CUWiP 2020 at Yale. Yale Women in Physics was founded in 2015 to host APS CUWiP 2015 and has since grown into an active organization that seeks to promote awareness and provide resources for women and underrepresented minorities in physics. The 2015 CUWiP was a success, and now with more experience and resources under our belts, we are looking forward to making CUWiP 2020 even greater.

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Physics and Applied Physics



Prospective Graduate Student Open House (March 26-27, 2020)

The Physics and Applied Physics Prospective Graduate Student Open House will be held Thursday, March 26-Friday, March 27, 2020. Please check <http://physics-openhouse.yale.edu> for updates as the time gets closer.

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Community



Climate and Diversity Committee

Happy New Year everyone! Welcome back to the Spring Semester.

Yale physics is hosting one of the regional meeting's of the APS Conference for Undergraduate Women in Physics (CUWiP) next week. We wish the local organizers of CUWiP luck, the agenda looks fantastic, everyone will have a blast.

Finally, 2020 marks the 100th anniversary of the passage of the 19th Amendment, guaranteeing and protecting women's constitutional right to vote. We've come a long way towards ensuring equality for all since then but still have a way to go, let's all try to make a difference this year.

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

Opportunities

NASA Office of STEM Engagement released the [NASA Fellowship Activity 2020](#)

Call for Proposals -- NASA Fellowship Activity 2020

NASA Office of STEM Engagement (OSE) opened a call for graduate research proposals on December 23, 2019. The NASA Research Announcement (NRA) NNH20ZHA001N: NASA Fellowship Activity 2020 is seeking student-authored and independently conceived graduate research proposals responding to a NASA Research Opportunity listed in the solicitation. The 2020 NASA Fellowship Activity is designed to support OSE objectives and provide academic institutions the ability to enhance graduate-level learning and development. The program details and requirements are outlined in the solicitation document.

To be eligible to submit a proposal, candidates must be U.S. citizens or a national who hold a bachelor's degree in a STEM field earned before Aug. 31, 2020. Candidates must be enrolled in a master's or doctoral degree program no later than Sept. 1, 2020, and intend to pursue a research-based Masters or Ph.D. program in a NASA-relevant field.

Proposals are due February 21, 2020.

For full program details, visit: [2020 NASA Fellowship Activity](#). An informational webinar about this fellowship will be presented on January 8, 2020 and February 5, 2020 – time to be announced. The telecom number is 1-844-467-6272, and the passcode is 549325. The information to join the meeting via the web will be posted on the solicitation webpage once the information is available.

Questions concerning these program elements may be directed to Vandhana Lal at NASA.fellowships@nasaprs.



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

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