

APS-IDEA Team

physics.yale.edu/aps-idea

The vision of APS-IDEA is that, as a result of collective efforts, physics and related fields will become more inclusive of all social identities, with a diversity reflective of the nation, and with an equitable distribution of opportunities and resources.

Members: Helen Caines (co-leader), Rona Ramos (co-leader), Larry Gladney (faculty), Karsten Heeger (faculty), Reina Maruyama (faculty), Meg Urry (faculty), Laura Havener (postdoc), Emily Kuhn (graduate student), Aniket Maiti (graduate student), Mariel Pettee (graduate student), Daniel Seara, (graduate student), Amber Young (undergraduate), Catherine Barabas (staff), Geriana Van Atta (staff)

Climate and Diversity Committee (CDC)

physics.yale.edu/about/climate-and-diversity-committee

The Mission of the Climate and Diversity Committee is to support the department's goals to provide a safe, supportive, and inclusive environment for every member of our community. We are committed to creating a work place whose core principles are based on diversity, equity, and inclusion for every staff member, student and faculty as we strive to obtain our goals of excellence in research, teaching, and mentoring.

Members: Helen Caines (chair), Meg Urry, Shelly Leshner, Rona Ramos

Diversity, Equity, and Inclusion Action Plan - writing group

The formulation of the DEI action plan will be a department-wide activity. The preparation of this document will be led by a writing group which will act as a point of contact for all stakeholders: students, postdocs, staff and faculty.

Members: Helen Caines (co-chair), Karsten Heeger (co-chair), Rona Ramos (instructional faculty, graduate program coordinator), Geriana van Atta (staff), Irem Altan (postdoc), Ryan Petersburg (graduate student), Amber Young (undergraduate)

Graduate Student Advisory Committee (GSAC)

physics.yale.edu/academic/graduate-studies/GSAC

The Graduate Student Advisory Committee serves as a point of communication between the graduate students and the administration of the department. The committee advises the Chair, the DGS, and other faculty on matters related to graduate students and the graduate program, including (but not limited to) helping plan and organize annually scheduled departmental events. The committee members also advocate on behalf of graduate students with the Chair and DGS. Committee members are appointed for one calendar year. The composition of the committee includes at least one representative from each cohort, with a primary goal of representing inclusive and diverse sets of interests. Committee members meet with the Chair and DGS once a month. The committee also meets internally once a month while regularly soliciting feedback from other students in their cohorts.

Members: Bonnie Fleming (DGS, co-chair), Karsten Heeger (Chair, co-chair), Rona Ramos (Faculty), Stacey Watts (Graduate Registrar), Joseph Shomar (Year 2), Samantha Pagan (Year 2), Sanah Bhimani (Year 2), Hannah Bossi (Year 3), Ako Jamil (Year 4), Lauren Saunders (Year 4), Sheridan Green (Year 4), Emily Kuhn (Year 5), Kelly Backes (Year 5), Sohan Vartak (Year 5), Sumita Ghosh (Year 5), Ryan Petersburg (Year 6), Aniket Maiti (Year 3)

Undergraduate Student Advisory Committee (SAC)

physics.yale.edu/academics/undergraduate-studies/student-advisory-committee-sac-0

The Undergraduate Student Advisory Committee (SAC) serves as a point of communication between undergraduate students interested in the physics major and the leadership of the department. The student representatives work with the Chair, the DUS, and the undergraduate program team on matters related to the physics major. Members meet at least once a semester.

Members: Nikhil Padmanabhan (DUS, co-chair), Karsten Heeger (Chair, co-chair), Daphne Klemme (undergraduate registrar), Amber Young (YC'2021), Shoumik Chowdhury (YC'2021, SPS representative), Jean Wang (YC'2022), Tristan Weaver (YC'2023), Barkotel Zemenu (YC'2024), Agastya Rana (YC'2024), Wyatt Kremer (YC'2024), Matthew Bruning (YC'2024), Ayelet Kalfus (YC'2024, WiP representative)

Prize Lecture and Physics Club

physics.yale.edu/calendar

Yale Physics sponsors prize lectures in physics, bringing distinguished scientists to Yale to present results of frontier research and interact with our faculty, research staff, and students. The weekly colloquium series of the Yale Physics Department is called the Physics Club. These lectures are aimed at graduate students, postdoctoral researchers, research staff and faculty, and are of general interest to the Department of Physics, as well as Applied Physics, Astronomy, and Mathematics.

Members: Keith Baker (chair), Alison Sweeney, Eduardo da Silva Neto, Walter Goldberger

Tinsley Prize Lecture Committee

The Beatrice Tinsley Prize Lecture is given each year by a distinguished physicist in honor of Beatrice Muriel Hill Tinsley, the first female professor of astronomy at Yale, where she worked from 1974 until her death in 1981. Her work on disk galaxies has proven foundational in the decades following her passing. In 2016, the Yale Society of Physics Students inaugurated the Beatrice Tinsley Prize Lecture, which saw the invitation of Asimina Arvanitaki. This prize was started to honor Tinsley's myriad contributions and to encourage collaboration and contact between distinguished physicists and the Yale undergraduate physics community. The speaker is jointly invited and hosted by the Society of Physics Students, Women in Physics, and undergraduate students from Astronomy.

Members: 2 students from SPS, 2 students from WiP, Erin Lippitt (Astronomy), Ryan Offman (Astronomy), Nikhil Padmanabhan (DUS), *ex officio*, Sarah Demers (WiP), *ex officio*

Prize, Fellowship, and Nominations Committee (PFNC)

The PFNC will regularly review the accomplishments of the physics faculty, and will work with the Chair to nominate candidates for fellowships, prizes, promotions, and other professional recognition. The committee will also identify outstanding alumni who qualify for university prizes and alumni awards.

Members: John Harris (chair), Steve Girvin, Larry Gladney, Tom Appelquist, Meg Urry

Physical Science & Engineering Area Committee & Tenure Appointments Committee (PSETAC)

Members: Keith Baker

AY 2020-21 Committees

Teaching Assignments

Teaching assignments for the department are done by the Chair, in consultation with the DUS & DGS.

Members: Karsten Heeger (Chair), Nikhil Padmanabhan (DUS), Bonnie Fleming (DGS), Daphne Klemme (undergraduate registrar), Stacey Watts (graduate registrar)

Mossman Fellowship

physics.yale.edu/yale-mossman

The Mossman Fellowship is a prize postdoctoral fellowship in the Physics Department. The committee will coordinate the annual competition for the Mossman fellowship, identify suitable candidates, and make a recommendation to the Chair and the department.

Members: Witold Skiba (chair), Paul Tipton, Benjamin Machta, Laura Newburgh

Task Force in Biological Physics

This task force will develop and articulate a strategic vision for biological physics in the department, taking into account the landscape for biological physics and emerging initiatives on campus.

Members: Simon Mochrie (chair), Alison Sweeney, Ben Machta

Task Force on Physics and Data Science

This task force will develop and articulate a strategic vision for the role of the Physics Department in data science taking into account the landscape and initiative for data science on campus.

Members: Daisuke Nagai (chair), Helen Caines, Sarah Demers, Dave Moore, Ben Machta

Graduate Admissions Committee

Members: Simon Mochrie (chair)

Graduate Awards Committee

Members: Rona Ramos (chair), Ben Machta, Daisuke Nagai, Laura Newburgh, Meng Cheng, Bonnie Fleming (DGS), *ex officio*, Stacey Watts (graduate registrar), *ex officio*

Qualifying Exam and Graduate Curriculum Review Committee

The qualifying exam and graduate curriculum review committee is asked to undertake a fresh look at the graduate curriculum in the Physics Department and how we can best enable the success of current and future students. Specifically, the committee is charged with reviewing and formulating the learning goals of our graduate program and evaluating how course work, teaching, and research contribute to these goals. We ask the committee to critically evaluate what qualifying event would best serve these goals and whether different qualifying exams based on subfields should be considered. The committee is asked to pay special attention to and comment on how the structure of our program and choice of exam impact diversity, equity, and inclusion in our graduate program. Given the unique situation due to COVID in AY 2020-2021, and considering the plans and boundary conditions for the spring semester, we ask the committee to make a recommendation for the qualifying exam for this year as well as in the future. The committee is expected to consult frequently with faculty and students.

Members: Sarah Demers (chair), Rona Ramos (graduate program coordinator), Daisuke Nagai (faculty), Yoram Alhassid (faculty), Meng Cheng (faculty), Walter Goldberger (faculty), Sohan Vartak (graduate student), Hannah Bossi (graduate student), Bonnie Fleming (DGS), *ex officio*, Karsten Heeger (Chair), *ex officio*

AY 2020-21 Committees

Student Group Faculty Advisors

QuARK (Queer Affiliated fRIends of PhysiKs) - Jack Harris
Yale Physics Department Happy Hour - Nicholas Read
Yale Society of Physics Students - Nikhil Padmanabhan
Yale Women in Physics + - Simon Mochrie
Yale Women in Physics - Sarah Demers

Space and Facilities

Facilities and space of the Physics Department are critical to its mission in research, teaching, and outreach. They also play a crucial role in building community and fostering interactions within the department and beyond. This committee will advise the department and its chair on the coordination and planning of space and issues related to the facilities of the department. The committee and its members may also be asked to assist as department liaisons to university planning efforts.

Members: Sean Barrett (chair), Andrew Szymkowiak, Sid Cahn, James Nikkel, Bonnie Fleming, Simon Mochrie, Stephen Irons, Nikhil Padmanabhan, Hannah Carroll, Eduardo da Silva Neto

Yale University Department of Physics Organization for AY 2020-21

physics.yale.edu/about/committees-officers

Chair

Karsten Heeger

Director of Graduate Admissions

Simon Mochrie

Director of Graduate Studies

Bonnie Fleming

Graduate Program Team

Bonnie Fleming (DGS)
Rona Ramos (coordinator)
Stacey Watts (registrar)
Andy Szymkowiak (advisor)

Director of Undergraduate Studies

Nikhil Padmanabhan

Undergraduate Program Team

Nikhil Padmanabhan (DUS)
Daphne Klemme (registrar)

Director of Postdoctoral Affairs

Meg Urry

Joint Boards of Permanent Officers (JBPO) Quorum Members

Charles Baltay
R. Shankar