

Is it possible for undergraduate students to participate in research in the physics department? Yes! Please identify 3 or 4 faculty members whose interests match yours. Contact your top choice to express your interest and request a meeting. If there's currently no space for additional students in that group, don't give up! Continue down your list! For details about research topics, visit <http://www.physics.emory.edu/home/research/index.html>

First-year students
Sophomores
Juniors
Juniors (to begin summer before senior year)
Seniors

Level of students who may request to join research group

| | Research area | | | | | Additional qualifications |
|------------------|---|---|---|----|---|---|
| Alissa Bans | Astrophysics | x | x | x | x | Contingent on teaching schedule and availability. |
| Keith Berland | Energy and environment | | | | | Contact Dr. Berland if you are interested. |
| Gordon Berman | Biophysics (theory) | x | x | x | | Ability to program, multivariate calculus or differential equations, and 12+ months commitment. |
| Tom Bing | Physics education research | | | | | Contact Dr. Bing if interested and we can talk. |
| Stefan Boettcher | Statistical and computational physics | x | x | x | x | Students must have either programming or math skills. |
| Erin Bonning | Astrophysics | x | x | x | x | Contingent on teaching schedule and availability. |
| Jed Brody | Novel instructional experiments | | | | | Contact Dr. Brody if you are interested. |
| Justin Burton | Soft matter | x | x | x | x | Must have phys 151 and 152, or equivalent. |
| Horace Dale | Astronomy | | | x | x | Must be able to work over night; PHY116 required. |
| Laura Finzi | Biophysics (experiment) | x | x | x | x | We select applicants following an interview to determine their commitment and aptitude to lab work. |
| Hayk Harutyunyan | Condensed matter | | x | x | | Must commit to 12+ months, preferably 24 months. |
| Minsu Kim | Biophysics (experiment) | | | x | x | |
| Ilya Nemenman | Biophysics (theory) | x | x | x* | | Multivariate calculus, ability to program in some computer language. (*beginning of junior year) |
| Connie Roth | Soft matter | x | x | x | x | Looking for a serious commitment to research beyond a single semester. |
| Luiz Santos | Condensed matter (theory) | | | x | x | Some prior exposure to quantum physics required, preferably phys461 |
| Ajit Srivastava | Condensed matter | x | x | x | x | |
| Daniel Sussman | Soft matter (theoretical/computational) | x | x | x | x | Ability to program strongly preferred. |
| Sergei Urazhdin | Condensed matter | x | x | x | x | Preferable interest in nanoscience. |
| Kurt Warncke | Biophysics (experiment) | | | | | Contact Prof. Warncke if you are interested. |
| Eric Weeks | Soft matter | x | x | x | x | |
| Daniel Weissman | Biophysics (theory) | x | x | x | | Must be familiar with at least 3 out of 4 of probability, statistics, programming, and differential equations, & must commit to 12+ months. |