

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>

Level of students who may request to join research group

|                  | Research area                         | First-year students | Sophomores | Juniors | Juniors (to begin summer before senior year) | Seniors | 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  | x       | Must have phys 151 and 152, or equivalent.  |
| Horace Dale      | Astronomy                             |                     |            | x       | x  | x       | Must be able to work over night; PHY116 required.   |
| Laura Finzi      | Biophysics (experiment)               | x                   | 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  | 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  | x       | Some prior exposure to quantum physics required, preferably phys461   |
| Ajit Srivastava  | Condensed matter                      | x                   | x          | x       | x  | x       |   |
| 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, and must commit to 12+ months. |