

Level of students
who may request to
join research group

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>

	Research area	First-year students	Sophomores	Juniors	Rising Seniors (i.e. summer start)	Seniors	Additional qualifications
Alissa Bans	Astrophysics	x	x	x	x		Contingent on teaching schedule and availability.
Wladimir Benalcazar	Condensed matter (theory)			x	x	x	Some prior exposure to quantum physics required, preferably phys461
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)
Jennifer Rieser	Experimental soft matter & biophysics	x	x	x	x	x	
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
Shashank Shekhar	Biophysics	x	x	x	x	x	Must commit to 12+ months, preferably 24 months.
Ajit Srivastava	Condensed matter	x	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.