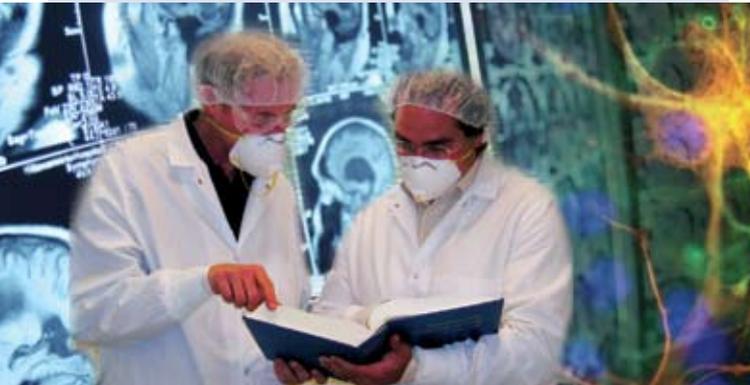


Science for Life



With funding from the Howard Hughes Medical Institute (HHMI) the Science for Life program has a mission “to strengthen and transform undergraduate research and interdisciplinary laboratory education in the life sciences” at the University of Florida (UF) and our partner institutions. It is administered through the campus-wide UF Honors Program and Office of the Provost, and provides recognition for faculty and graduate student mentors, transforming laboratory teaching in the life sciences.



Science for Life: the Largest Early Undergraduate Research Program at UF and in the State of Florida

Science For Life Seminar Class

To introduce students about research opportunities at UF a new freshman course has been developed in which 3 different professors discuss their research area, approach, and philosophy in 15 minute presentations. Faculty from 8 different colleges have presented in this forum and students have identified optimal choices for their research experiences.

Health Professional Students

The HHMI Medical Fellows Program allows second year health professional school students to participate in year-long research projects with any of more than 250 faculty mentors campuswide. In conjunction with this program, a UF-derived \$15,000 award will extend the research opportunities for these students beyond the HHMI year. In addition, The Science for Life research seminar course will be offered as a new elective to teach medical, veterinary medicine, and dentistry students about research innovations at UF and allow them to select faculty mentors.



Lou Guillette,
UF's HHMI Professor

Sponsors

The Howard Hughes Medical Institute

Units from all across the University of Florida including:

- Office of the Provost • University of Florida Honors Program
- Vice President for Research • Office of the Senior Vice President for Health Affairs • College of Liberal Arts and Sciences • College of Agriculture and Life Sciences • College of Engineering • College of Education • College of Medicine
- College of Pharmacy • College of Dentistry • College of Veterinary Medicine • College of Journalism • College of Nursing • Whitney Laboratory for Marine Bioscience • Florida Museum of Natural History • University of Florida Foundation
- Department of Chemistry • The J. Crayton Pruitt Family Department of Biomedical Engineering • Department of Materials Science and Engineering • University of Florida Genetics Institute • Keene Translational Diabetes Research Endowment • Emerging Pathogens Institute • McKnight Brain Institute • UF Shands Cancer Center

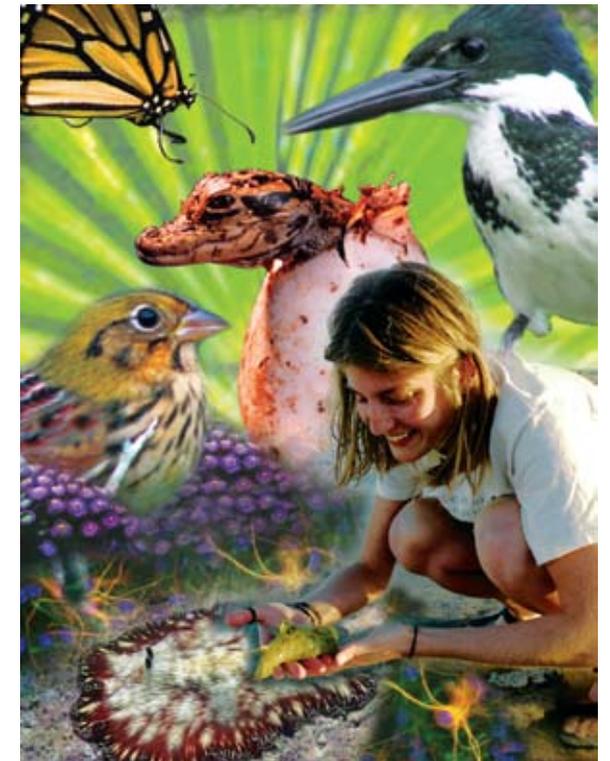
and

- Scripps Florida, The Scripps Research Institute
- Morehouse College
- The Pasteur Institute, Paris
- The University Louis Pasteur, Strasbourg
- ENS-Cachan
- The Max Planck Institute for Polymer Research, Mainz
- Scientific Equipment Group, Olympus America Inc.



Science for Life

an interdisciplinary program
in the life sciences
with support from the
Howard Hughes Medical Institute





Undergraduate Research

More than 100 HHMI Undergraduate Research Awards per year make this the largest early undergraduate research program at UF and in the State of Florida. These awards provide financial support for students to engage in multi-year research projects starting the summer following their freshman year, and can culminate in a second award for co-authorship of publications. The program also funds summer research for a select number of high ability juniors and seniors for off campus experiences at Scripps Florida, at collaborators across the US, and at international partner institutions.



Undergraduate Core Laboratory (HHMI-UCL)

In spring 2008, the HHMI-UCL is providing more than 500 UF students per year the opportunity to take an integrated sequence of advanced early undergraduate laboratory courses in a new state-of-the-art laboratory located in the heart of the UF Health Science Center. This new sequence of chemistry, biology, mathematics, and physics courses is taught using an interdisciplinary approach.

Science Education Minor

An 18 credit science education minor is available for students majoring in any scientific discipline. The program is designed to prepare students for teaching middle and high school science, but it will also provide aspiring life scientists skill sets to more effectively relate their work to future coworkers and the rest of society. Successful completion of the minor will qualify students for a Florida teaching certificate.

Summer High School Teacher Training

A summer research and professional training program allows 12 high school science teachers to participate in advanced professional training at UF each summer in the HHMI-UCL. Teachers will be selected from Alliance High Schools, a group of six underperforming

Teaching Postdocs

HHMI Faculty Fellow Awards will prepare life scientists for academic teaching positions. Each 2-year fellowship allows the Faculty Fellow to spend 25% of his or her time teaching while also pursuing an in-depth research project. These fellowships are offered in collaboration with Morehouse College and Scripps Florida.

Faculty and Graduate Student Awards

At least 40 HHMI Distinguished Mentor awards for faculty reward and encourage excellence in undergraduate mentoring at UF and Morehouse. At least 80 HHMI Graduate student awards honor graduate students who mentor and co-author research publications with undergraduates. An annual "Science Day at the Museum" exhibition and poster session communicates science discoveries to families of awardees and the general public. All of these are the first programs of their type at UF.



schools located in diverse urban settings in Jacksonville, Orlando, and Miami. This effort is in collaboration with the UF/HHMI ICORE Pre-Collegiate award directed by Professor Mary Jo Koroly.