At a Glance

**Sample Department Research Opportunities**

- Museum of Comparative Zoology: research into animal biology, using tools ranging from genomics to experimental animal behavior
- Concord Field Station: physiological and biomechanical laboratory-based research of animal performance
- Harvard Forest: field-based ecological and evolutionary studies of the New England environment
- Arnold Arboretum, Harvard Herbarium: research into plant biology, using both state of the art molecular, imaging, and ecological methods

**Sample Faculty Research and/or Publications**

- Desai Lab (Evolutionary Dynamics and Population Genetics): uses both theory and experiments to study evolution in action
- Srivastava Lab (Evolution and Development): investigates the processes underlying the capacity of simple organisms to regenerate themselves
- Ölveczky Lab (Neurobiology): studies the factors underlying neurobiological circuits developed in the acquisition of complex behaviors

**Gateway Courses**

- **Suggested and/or Required Courses**
  - *Life Sciences 1a or Life and Physical Sciences A or Life Sciences 50a* (Fall)
  - *Life Sciences 1b or Life Sciences 50b* (Spring)
  - *OEB 10* (Fall, typically sophomore year)

**Other ways to explore**

- Come talk to us! Andrew Berry berry@oeb.harvard.edu
- Contact us if you’re interested in joining IB’s Undergraduate Group (OEBug), which organizes (and funds) IB-related activities. It’s a great way to become a part of the IB undergraduate community
- Consider taking one of several IB-related Freshman Seminars
- Talk to us if you’re interested in kicking off a research career or in taking more advanced courses as a Freshman

**Sample Advanced Courses**

- OEB 57: Animal Behavior
- OEB 101: Biology of Mammals
- OEB 107: Evolution of Plant Life in Geologic Time
- OEB 119: Deep Sea Biology
- OEB 157: Global Change Biology
- OEB 217: What Makes a Cat?

**Sample Thesis Titles**

- Sculpting the Flower: A Single Gene Duplication Underlies Complex Patterns of Functional Evolution in the Columbine Flower (Aquilegia)
- Insect Community Assembly of Hawaiian Lobelioideae Plants (Campanulaceae): A Community Phylogenetic Study
- Social Connections: Relationships between white matter integrity of the uncinate fasciculus and social awareness and cognition in typically developing children
- Characterizing Differential Gene Expression in Probing Larvae of the Caribbean Coral Species Porites astreoides
- Revealing novel properties of a hybrid antibiotic and drug resistance interactions through evolution and whole-genome sequencing

**Sample Faculty**