
OUTLINE

I. UMBC Researchers – esp Biology and Geography
II. Summer Internships – Local
III. Summer Internships – National esp. NSF REUs
IV. Summer Courses – UMBC, Costa Rica, Field Stations
VI. Specific Projects – Dr. Lohr, Dr. Studds, Dr. Omland
V. Study Abroad – Katherine Heird (Costa Rica 2014 ?2015)

Office of International Programs

Kevin Omland, Biology
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Internships & Careers: Ecology, Evolution, Behavior, Conservation Biology etc.

I. UMBC Researchers: Biology

Mendelson - sexual selection in fishes
Lohr - bird song and conservation biology
Omland - female bird song & conservation (esp. orioles)
Leips - fruit fly evolution & ecology
Cronin - color & vision in marine invertebrates
Burns - evolution of sex in arachnids (harvestmen)
UMBC Researchers: Geography (GES)

Studds - migratory bird ecology & behavior
Baker - forest ecology
Swann - stream ecology
Ellis - human dominated landscape ecology
Holland - environmental policy (e.g. Costa Rica)
Hawn - ecology of movement, urban arthropods etc. etc.

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II. LOCAL INTERNSHIPS (MD & DC)

SMITHSONIAN
- Smithsonian Environmental Research Center  
  (“SERC” just south of Annapolis)
- Nation Museum of Natural History  
  (systematics of birds, insects, fish, dinosaurs, etc.)
- National Zoo  
  (including Migratory Bird Center & Conservation Genetics Lab)
- Smithsonian Conservation Biology Institute  
  (Front Royal, VA)

(also conservation organizations etc. DC: National Wildlife Federation, Conservation International, Audubon, EPA, Congress...)
II. LOCAL INTERNSHIPS (MD & DC)

US Department of Agriculture (Beltsville “BARC”)
Patuxent Wildlife Research Refuge (Laurel)
Maryland Zoo (Baltimore)
National Aquarium (Inner Harbor)
Institute Marine & Environmental Technology
   (IMET, Inner Harbor, aquaculture, marine microbiology)
Local Nature Centers (every county)
   Howard: Robinson Nature Ctr, Howard Co. Conservancy
   Baltimore: Marshy Point Nature Center
   Annapolis: Chesapeake Bay Foundation

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III. NATIONAL INTERNSHIPS

E.G. RAPTOR RESEARCH CENTER, Boise, Idaho

(REU SITES ARE PROBABLY QUITE COMPETITIVE, BUT IF YOU HAVE DECENT GRADES, HAVE CLEAR INTERESTS IN THAT AREA, IT IS EASY TO APPLY FOR 3-5)

http://www.nsf.gov/crssprgm/reu/reu_search.jsp

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III. NATIONAL INTERNSHIPS
FIELD JOBS

E.G. TEXAS A&M WILDLIFE JOBS

Bird Field Jobs – Ornithology Exchange

Iowa State – Natural Resource Jobs
https://www.nrem.iastate.edu/employment/

Likely other sites for marine biology, forestry, etc.
IV. Summer Courses – UMBC

BIOLOGY
• Biology 142 – Intro Ecology & Evolution
• Biology 461 – Population Genetics (Dr. Tracy Smith)

GEOGRAPHY
• GES ??
IV. Summer Courses – Field Stations

ORGANIZATION OF BIOLOGICAL FIELD STATIONS
http://www.obfs.org for example:

Virginia: Mountain Lake Biological Station
http://mlbs.org/summercourses

University of New Hampshire, Shoals Marine Laboratory
http://www.sml.cornell.edu/sml_students_creditcourses.html

Colorado: Rocky Mountain Biological Laboratory (combo course/research)

Costa Rica: Organization for Tropical Studies, e.g., La Selva Rainforest Station
http://www.ots.ac.cr/index.php?option=com_content&task=view&id=162&Itemid=348

(beautiful field site, did my PhD there, UMBC intern 2010)
http://www.huyckpreserve.org/odum-internship.html

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INTERNATIONAL RESEARCH EXPERIENCE FOR STUDENTS - DETAILS:

WHEN? Summer 2019, Summer 2020, Summer 2021

WHO? Anyone interested in ecology, conservation & env. science

WHAT? Exciting fieldwork, early mornings, bugs, radio tracking birds

ALSO? Amazing forests, snorkeling in coral reefs, Bahamian culture

CLASS? Summer after sophomore yr. best, freshmen & juniors too*

APPLICATIONS? Due Feb. 20, 2020. (Thursday 5PM)

***EMAIL APPLICATIONS TO: iresbahamas@umbc.edu

NOTE – students will have travel expenses covered and be paid a $4,000 stipend.