



## SAINT MICHAEL'S COLLEGE

### **Department of Biology FACT SHEET – FALL 2009**

**Biology major tracks:** Pre-Health, Environmental Biology, Cellular & Molecular, Biology Education, and Generalist

**Staff & students:** 9 full-time faculty; 184 Biology majors

**Upper-level courses offered:**

Population Ecology	Genetics	Comparative Vertebrate Anatomy
Community Ecology	Botany	Molecular Biology
Animal Behavior	Microbiology	Ecosystem Ecology
Evolution	Developmental Biology	Ichthyology (alternate summers)
Human and Comparative Physiology	Cell Biology	
	Tropical Ecology Costa Rica study tour (alternate winters during break)	

**Internship opportunities** include, but are not limited to, the Vermont State Medical Examiner's Office, Shelburne Farms (environmental education), the US Fish and Wildlife Service, the University of Vermont College of Medicine, and the Vermont Department of Health. Students may informally "shadow" professionals in careers such as human and veterinary medicine or dentistry.

**Student research opportunities in the following areas:** aquatic biology, animal behavior, ecology, genetics, molecular biology, evolution, developmental biology, and biology education.

- Student presentations at recent conferences: International Association of Theoretical and Applied Limnology, Lake Champlain Research Consortium, Vermont Genetics Network, Posters on the Hill (Washington, DC), International Maize Conference (Mexico City)
- Student co-authorship on 6 research publications in 2004-2009

**For students interested in Physical Therapy:** through an agreement between Saint Michael's College and the University of Vermont, up to three Saint Michael's College graduates meeting appropriate criteria may be admitted to the University of Vermont's Doctor of Physical Therapy program each year.

### **EXAMPLES OF LIFE AFTER SAINT MICHAEL'S FOR RECENT GRADUATES**

- **Jobs** in the following fields: **Genetics and Molecular Biology** (Dana Farber Cancer Institute, Trudeau Institute, Jackson Laboratories, Alkermes Biotech Company), other **Biological or Chemical Research Labs** (Harvard Medical School, Brandeis University, MIT, Eltron Research, Massachusetts General Hospital, Brigham and Children's Hospital), **Environmental Consulting and Conservation** (Severn Trent Laboratories, Aquatic Biological Services, Endyne, Wildlife Conservation Society, Vermont Department of Environmental Conservation), **Pharmaceutical Labs** (Amgen, Mylan, Pfizer, Bertex), **Teaching high school biology**, and international service in the **Peace Corps**.
- **Professional Schools in Health Care** – 92 % acceptance of applicants to Health Care Professional schools in the last nine years. Schools include Yale University, Dartmouth Medical School, Laval University, Alaska Pacific University, University of Vermont, SUNY Buffalo, Tufts University, University of Pennsylvania, Michigan State University, New England College of Osteopathic Medicine, and the University of Dublin.
- **Other post-graduate programs** – 91% acceptance of applicants to Masters or PhD programs in the biological sciences in the last nine years. Schools include Harvard University, Dartmouth College, Cornell University, Duke University, Princeton University, Yale University, McGill University, University of Massachusetts-Amherst, University of Massachusetts-Medical Center, University of Wisconsin-Madison, and Colorado State University.

### **FOR MORE INFORMATION, PLEASE CONTACT ONE OF THE FOLLOWING:**

- For the Biology major: Dr. Valerie Banschbach ([vbanschbach@smcvt.edu](mailto:vbanschbach@smcvt.edu); 802.654.2633)
- For Pre-Medical/Veterinary/Dental or other health career information: Dr. Donna Bozzone ([dbozzone@smcvt.edu](mailto:dbozzone@smcvt.edu); 802.654.2627)
- For Biology Education career information: Dr. Donna Bozzone ([dbozzone@smcvt.edu](mailto:dbozzone@smcvt.edu); 802.654.2627)
- Environmental Science major: Dr. Declan McCabe ([dmccabe@smcvt.edu](mailto:dmccabe@smcvt.edu); 802.654.2626)
- Biochemistry major: Dr. Alayne Schroll ([aschroll@smcvt.edu](mailto:aschroll@smcvt.edu); 802.654.2378)