



## **Biology Masters program at the College of William and Mary**

The Biology department at the College of William and Mary is recruiting new Masters students in cell and molecular biology, to start in Fall 2009.

We offer a two-year research-intensive Master's program wherein students are supported by teaching assistantships and full tuition waivers. For many students, getting a Master's in two years and having some publications and grants before applying to a top-flight Ph.D. program is a very viable option. I would greatly appreciate it if you circulated this message to any talented senior undergraduates that you know are thinking about graduate schools but may not be ready to apply to a high-profile Ph.D. program.

With a low student to faculty ratio (approximately 8-10 new students each year with 23 full-time faculty), we can offer an intimate and highly personalized research and education experience rarely attainable at larger universities. Also, our graduate students often work closely with and mentor undergraduates, offering numerous informal teaching and personal development opportunities.

Although our program is relatively small, we have a real strength in cell and molecular biology. Some of our faculty and their interests are listed on the next page.

Most of our faculty have funding from NSF, NIH, HHMI and other organizations. Many of us are actively looking to take on new MS students next year. Please feel free to pass this message on to any students you think may be interested/suitable. They can get some general information about our program from the department website: <http://www.wm.edu/biology/gradcurriculum.php>.





## Biology Masters program at the College of William and Mary

### Faculty Research Interests in Cell and Molecular Biology:

Lizabeth A. Allison, Professor; Ph.D., University of Washington. Molecular and cellular biology: Mechanisms of nuclear import and export; nuclear hormone receptor and oncogene expression. [laalli@wm.edu](mailto:laalli@wm.edu)

Eric L. Bradley, Professor; Ph.D., University of California Santa Barbara. Biomedical Imaging; *in vivo* monitoring of cell-molecular processes in mammary tumor development. Mechanisms of reproductive inhibition; role of the endocrine system in maintaining reversible infertility. [elbrad@wm.edu](mailto:elbrad@wm.edu)

Eric Engstrom, Assistant Professor; Ph.D., Stanford University. Plant development and evolution of developmental processes. Establishment of leaf polarity. [emengs@wm.edu](mailto:emengs@wm.edu)

Mark Forsyth, Associate Professor; Ph.D., University of Connecticut. Mechanisms of bacterial pathogenesis. Microbiology. [mhfors@wm.edu](mailto:mhfors@wm.edu)

John D. Griffin, Associate Professor; Ph.D., The Ohio State University. Neurophysiology: Hypothalamic control of thermoregulation and the generation of a fever in response to infection. [jdgri2@wm.edu](mailto:jdgri2@wm.edu)

Oliver Kerscher, Assistant Professor; Ph.D., The Johns Hopkins School of Medicine. Yeast Molecular Genetics, Cell Biology and Biochemistry. Study of proteins and protein modifiers that regulate chromosome segregation and genome integrity in the baker's yeast *Saccharomyces cerevisiae*. [opkers@wm.edu](mailto:opkers@wm.edu)

Margaret Saha, Professor; Ph.D., University of Virginia. Developmental neurobiology; molecular genetics of cell determination and patterning in the developing vertebrate nervous system, particularly genes regulating brain and vascular development. [mssaha@wm.edu](mailto:mssaha@wm.edu)

Diane C. Shakes, Associate Professor; Ph.D., Johns Hopkins University. Cell and developmental biology; the interplay between cell cycle progression and cell differentiation during *C. elegans* gametogenesis. [dcs Shak@wm.edu](mailto:dcs Shak@wm.edu)

Matthew Wawersik, Assistant Professor; Ph.D., The Johns Hopkins School of Medicine. Cell and developmental biology; molecular genetic analysis of germ cell sex determination and germline stem cell establishment. [mjwawe@wm.edu](mailto:mjwawe@wm.edu)

Kurt Williamson, Assistant Professor; Ph.D. University of Delaware. Soil microbial ecology. Environmental virology. [kewilliamson@wm.edu](mailto:kewilliamson@wm.edu)

Patty Zwollo, Associate Professor; Ph.D., University of Utrecht, The Netherlands. Molecular Immunology; molecular biology of the B-cell immune response in the rainbow trout. Structure and function of developmentally regulated transcription factors expressed in B-cells. [pxzwol@wm.edu](mailto:pxzwol@wm.edu)