NEUROSCIENCE
GRADUATE PROGRAM

- Multidisciplinary training
- Teaching experience
- State-of-the-art facilities
- Friendly, interactive environment
- Personalized attention
- Financial support

Biobehavior
- Mark Bouton, PhD
- Gene Delay, PhD
- William Falls, PhD
- John Green, PhD
- Jon Hammack, PhD
- Donna Toufexis, PhD

Cell Physiology
- Bryan Ballif, PhD
- Joseph Brayden, PhD
- Rona Delay, PhD
- Wolfgang Dostmann, PhD
- Karen Lounsbury, PhD
- Anthony Morielli, PhD
- Mark Nelson, PhD
- Judith Van Houten, PhD
- George Wellman, PhD

Development
- Karen Braas, PhD
- Stephen Brown, MD
- Deborah Damon, PhD
- Cynthia Forehand, PhD
- Alan Howe, PhD
- Diane Jaworski, PhD
- Victor May, PhD
- Rae Nishi, PhD
- Matthew Rand, PhD

Human Disease & Disorders
- Robert Althoff, MD, PhD
- Michael Cannizzaro, PhD
- Julie Dumas, PhD
- Hugh Garavan, PhD
- Sharon Henry, PhD
- James Hudson, MD
- Jesse Jacobs, PhD
- Helen Langevin, MD
- Yang Mao-Draayer, MD, PhD
- Moira Mulligan, PhD
- Magdalena Naylor, MD, PhD
- Paul Newhouse, MD
- Alexandra Potter, PhD
- Patricia Prelock, PhD
- Jeremy Sibold, PhD
- Cory Teuscher, PhD

For more information visit: http://www.uvm.edu/~neurogp
or contact the Program Director: Dr. Rae Nishi at rnishi@uvm.edu or 802-656-4504
We provide rigorous training in neuroscience research together with development of associated survival skills such that our graduates are effective Stewards of Neuroscience.

Training is accomplished through

- **Core course work** that establish a knowledge in molecular, cellular, systems and behavioral neuroscience, including Human Structure and Function, Biobehavioral Proseminar, Neural Science, Cell Biology, Biostatistics, Responsible Conduct in Research.

- **Advanced course work** that emphasize effective communication and critical thinking such as Basic Science of Neurologic Diseases, Developmental Neurobiology, Neurochemistry, Techniques in Optical Microscopy, Adult Neuropathy, Learning Theory.

- **Basic science and translational research**, where mentors provide personalized attention and foster independence in thinking as students create and undertake hypothesis-based approaches to research. Lab rotations allow students to learn a variety of techniques and approaches to studying the nervous system while exploring their interests before committing to a dissertation laboratory.

- **Undergraduate teaching** opportunities help students to become effective teachers and communicators of neuroscience. Students choose at least two undergraduate assignments, and they give class presentations in their advanced course work.

- **Graduate Student Journal Club and Neuroscience Seminar Series** develops within a student a keen sense of analytical thinking and logic in the evaluation of one’s own work as well as that of others. Students make connections in the global neuroscience community.

- **Community outreach** allows students to make a direct and meaningful impact in the community. Students share enthusiasm about neuroscience during Brain Awareness Week in K-12 schools and help to create sustainable programs and resources with local non-profits.

We embrace diversity.

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**Program at a Glance**

**Year 1**
- Required core courses
- Laboratory rotations
- Join dissertation lab

**Year 2**
- Required courses plus advanced selectives
- Teaching assignment #1
- Learn techniques for dissertation work and complete pilot experiments

**Year 3**
- Teaching assignment #2
- Qualifying exam
- Thesis proposal
- Admission to candidacy

**Years 4–6**
- Continue research
- Defend dissertation

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The UVM Campus, located in Burlington, Vermont, is a short walk from the eastern shore of historic Lake Champlain and Church Street, a European style pedestrian town center. Burlington has a dynamic art scene, sophisticated restaurants, and a hip music scene. The Green Mountains provide many opportunities for hiking and camping.