

**NEUROSCIENCE 324:**  
**LABORATORY IN NEUROSCIENCE**  
Spring, 2013  
Mr. Mark Braford and Ms. Gisela Knight

This course will introduce students to some neuroanatomical and neurohistological techniques and hone their abilities to analyze stained brain sections. The independent projects will provide an opportunity for posing and answering neuroanatomical questions by such analyses.

- FEB 7/8      Lab 1: Comparing Vertebrate Brains
- FEB 14/15    Lab 2: Perfusion of Rats  
                  [Instructions Given for Independent Projects]
- FEB 21/22    Lab 3: Histology: Cutting of Rat Brain Sections; Staining with Nissl Stain
- FEB 28/  
MAR 1        Lab 4: Histochemistry: Localization of Acetylcholinesterase in Rat Brain;  
                  Study of Nissl-Stained Rat Brain Sections
- MAR 7/8      Lab 5: Study of Acetylcholinesterase Distribution in Rat Brain Sections;  
                  Study of Human and Other Mammalian Brain Sections and Gross  
                  Brain Material
- MAR 14/15   Lab 6: Continued Study of Human and Other Mammalian Brain Sections;  
                  Preparation for Oral Reports
- MAR 21/22   Lab 7: \*\*\*Individual Oral Reports\*\*\*  
                  [Refreshments Served]

All procedures involving live vertebrates that are to be performed in this course have been approved by Oberlin College's Institutional Animal Care and Use Committee (IACUC). Should you have any concerns about these procedures, please feel free to discuss them with Mark Braford and/or the Chair of the IACUC who is Ms. Joyce Babyak, Associate Dean of the College ([Joyce.Babyak@oberlin.edu](mailto:Joyce.Babyak@oberlin.edu))