

Spring, 2003

**Neuroscience 500 : Undergraduate Neurobiology Seminar (1 credit)**  
**Tuesdays, 4:00 – 5:00 PM**  
**281 Medical Science Center**

| <i>Date</i> | <i>Speaker</i> | <i>Department</i> | <i>E-mail (*.wisc.edu)</i>                                     | <i>Title of talk</i>  |
|-------------|----------------|-------------------|--|---|
| Jan 28      | Banks          | Anesthesiology    | <a href="mailto:mibanks@facstaff">mibanks@facstaff</a>         | Temporal processing in auditory cortex: from receptors to behavior  |
| Feb 4       | Garell         | Neurosurgery      | <a href="mailto:garell@neurosurg">garell@neurosurg</a>         | Physiology of Parkinson's disease   |
| 11          | Bach-y-Rita    | Rehab. Medicine   | <a href="mailto:pbachyri@facstaff">pbachyri@facstaff</a>       | Late brain plasticity   |
| 18          | Bakshi         | Psychiatry        | <a href="mailto:vbakshi@facstaff">vbakshi@facstaff</a>         | Preclinical models for psychiatric illness  |
| 25          | Fabry          | Pathology         | <a href="mailto:zfabry@facstaff">zfabry@facstaff</a>           | Autoimmunity in the central nervous system  |
| Mar 4       | Meyerand       | Medical Physics   | <a href="mailto:memeyerand@facstaff">memeyerand@facstaff</a>   | A new tool for imaging in neuroscience: functional MRI  |
| 11          | Stafstrom      | Neurology         | <a href="mailto:stafstrom@neurology">stafstrom@neurology</a>   | Epilepsy and brain development  |
| 18          | Spring break   |                   |  |   |
| 25          | Watters        | Comp. Biosciences | <a href="mailto:jjwatters@facstaff">jjwatters@facstaff</a>     | Extracellular adenine nucleotide signal transduction in microglial cells:<br>implications for ischemic brain injury |
| Apr 1       | Pearce         | Anesthesiology    | <a href="mailto:rapearce@facstaff">rapearce@facstaff</a>       | Anesthesia, amnesia, and GABA-A receptors   |
| 8           | Robertson      | Physiology        | <a href="mailto:robertson@physiology">robertson@physiology</a> | Ion channelopathies and molecular mechanisms of long QT syndrome  |
| 15          | Epstein        | Anatomy           | <a href="mailto:mepstein@facstaff">mepstein@facstaff</a>       | Studies of the migration and development of enteric crest cells   |
| 22          | Tononi         | Psychiatry        | <a href="mailto:gtononi@facstaff">gtononi@facstaff</a>         | Consciousness and the brain   |
| 29          | Behan          | Comp. Biosciences | <a href="mailto:behanm@svm.vetmed">behanm@svm.vetmed</a>       | A spotlight on gender and the neural control of breathing   |
| May 6       | No meeting     | Papers due        |  |   |

The goal of this seminar is to give you a taste (!) of the wide breadth of modern neurobiology and to provide a weekly social gathering of interested students and faculty. Refreshments will be provided after the seminar so you will get a chance to meet your fellow neurobiology students and faculty on an informal basis.

The seminar will be graded in the usual fashion. Grades will be based upon two factors: attendance and a short paper. Please be sure to sign the attendance sheet that will be available before each class. In addition, you must pick one topic from the ones covered in this semester or the previous one if you took the class in the fall and to write a short paper (5-7 pages, double spaced) covering some aspect of this talk. You should

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contact the faculty member who gave the talk to discuss possible topics. He/she will also grade your paper. The paper can be a short review of a recent study or set of studies in the literature, for example

Since one goal of the seminar is to promote interaction between faculty and students, we encourage you to actively participate during the seminar by asking questions and by contacting the faculty members following the seminar by email. This will provide the faculty members with some feedback and get you to think about what you just heard in a bit more depth. You can raise questions in your mind, what you found most interesting, your opinions about issues raised by the talk, or simply that he/she did a good job.

If you have any questions, please contact Dr. Tom Yin ([yin@physiology.wisc.edu](mailto:yin@physiology.wisc.edu))