

## Cell Biology And Neuroscience

### **CBN 112R Medical Histology 8 cr**

Summer make-up course in Medical Histology at an LCME approved medical school.

### **CBN 114 Neuroanatomy 4 cr**

The course consists of both laboratory and lecture material. Emphasis is given to the functional neurobiology of the human central nervous system. In addition to basic anatomical systems, considerable time is given to the delineation of the anatomical bases of human CNS dysfunction.

### **CBN 400 Cell Biol & Neuro Externship 4 cr**

To be determined.

### **CBN 405 Research Assistantship 1 TO 4 cr**

Teaching assistantships are available in the following areas: head and neck; thorax and abdomen; pelvis and perineum; or extremities.

### **CBN 406 Teach Asst-Histology 1 TO 4 cr**

Participants will assist the faculty in teaching histology laboratories either pertaining to tissues (4 weeks) or organ systems (4 weeks, or 8 weeks for both). The student will be mentored by one of the listed faculty who will assume responsibility for the final evaluation of the student.

### **CBN 407 Teach Assistantship - Anatomy 1 TO 4 cr**

Teaching assistantships are available in the following areas: head and neck; thorax and abdomen; pelvis and perineum or extremities.

### **CBN 516 Cell Biol-Neurosci Lit Reports 1 cr**

Students and faculty participate in a supervised reading of the current literature and meet periodically (usually once a week) to interact in a discussion of the selected article or topic. The goal of this course is to maintain the faculty's and students' level of information at the "state of the art" in both methods and theory in the discipline to develop critical review skills in reviewing the literature. Student presentation is required to receive credit.

### **CBN 517 Dir St - Cell Bio Neuroscience 1 TO 6 cr**

Students participate in research under the direction of a graduate faculty member. The student may pursue independent research or participate in a literature project. This course should be taken by students who have completed their laboratory rotations, but have not yet submitted a research proposal.

### **CBN 590 Sp Top - 1 TO 3 cr**

This course provides in-depth tutorial exposure to specific areas in the discipline. Student and/or faculty presentations followed by group discussion (usually in the Socratic mode), examine the subject matter in an area of current interest either to one student or to a group of students. Credit and title are arranged with an individual faculty member.

### **CBN 610 Molecular-Cellular Neuroscienc 2 cr**

A course which requires students to read and evaluate critically the contemporary literature dealing with the cellular and molecular mechanisms of neural function.

### **CBN 614 Gene Expr- Reg- Repair- Ther 2 cr**

This course requires students to read, present, and evaluate critically the modern literature on gene expression and regulation, repair and therapy.

### **CBN 616 Cell Biol-Neurosci Resrch Sem 1 cr**

Students and faculty present a research topic for discussion before members of the department. The presentations are usually scheduled on a rotational basis. The student may present research data for critique by the faculty.

### **CBN 799 Research Dissertation 1 TO 6 cr**

Independent research by the student under the sponsorship of the graduate faculty. Students are required to submit a research project description form before enrolling in this course. Progress reports of the work accomplished are required every six months.