

## Neuroscience of Aging Course

The course will be given during three subsequent semesters for a total of 3 credits (1 credits/semester). At the end of each semester the students taking the course for credit will be required to submit a 5-page essay on a topic covered that semester by the last day of class (December 3, 2012 for Fall Semester). The grading will be pass/fail. There will be a separate registration for each term. Trainees on the T32 Neuroscience of Aging Training Grant will be required to take all three semesters (BEHN627, 628, and 629) of this course. Students and postdoctoral fellows outside the NIA T32 training grant will be allowed to take this course and to take only one or two of the three semesters. This will be a team-taught survey course that includes 1 introductory module on concepts in aging research, and aging of non-CNS systems, as well as modules on the neuroscience of aging of sensory, motor, and cognitive systems as well as neurodegenerative diseases. Each module will examine the topic from the molecular to the human level of analysis. Most lectures for the Fall 2012 semester will be held Wednesdays from 4-5 pm in MRB735 but the first lecture will be held on Thursday from 4-5 in MRB735. All students are expected to read the assigned paper prior to the lecture.

Our program is committed to all students achieving their potential. If you have a disability or think you may have a disability (including but not limited to a physical, hearing, vision, psychological and learning disabilities), which may need an accommodation, please contact Jacob Raber or the Program Accommodation Liaison (Molly Osbourne) or the Director of the Office of Student Access at 503-494-0908 to discuss your request. Because accommodation can take time to implement it is important to have this discussion as soon as possible. All information regarding a student's disability is kept in accordance with relevant state and federal laws.

If you have any questions/comments about this course, please contact Jacob Raber (4-1524; [raberj@ohsu.edu](mailto:raberj@ohsu.edu)).

## Fall Semester 2012, Neuroscience of Aging Course

9/27; 1. Introduction to concepts in aging research; Steve Kohama  
10/3; 2. The effects of psychological stress on brain physiology in aging; Barry Oken  
10/11; 3. Neurologic changes in human aging: Is Alzheimer's disease a 'normal' part of aging?; Joseph Quinn  
10/24; 4. Neuropsychology of aging; Diane Howieson  
10/31; 5. Cancer and aging. Mitchell Turker  
11/7; 6. Effects of aging on balance and gait; Faye Horak  
11/14; 7. Age-related neuroendocrine changes in primates; Henryk Urbanski  
11/28; 8. Effects of aging on visual sensitivity; Robert Duvoisin  
12/5; 9. Effects of aging on cognition in nonhuman primates; Martha Neuringer

In case you were not aware of it and interested, the aging training grant has a journal club:

NeuroAging journal club, MRB 735, 4th Thursday of the month, 4pm, refreshments included. All are welcome. In case you would like to be on the journal club e-mail list, please let me know as well.