A three-week lecture and laboratory course featuring the newest and most exciting ideas in aging research, with emphasis on molecular approaches.

The course is open to graduate students, post-doctoral fellows, and independent investigators. Costs of attending the course, including travel, housing, and meals at MBL, are fully supported by The Ellison Medical Foundation.

The 2013 Molecular Biology of Aging Summer Course features a new curriculum with incoming course directors Daniel Promislow (University of Georgia) and Matt Kaeberlein (University of Washington). A distinguished faculty will interact with approximately 20 students via lecture, discussion, hands-on experiments, and analysis of data. Lecture topics encompass the breadth of modern aging research, including model systems (yeast, Drosophila and C. elegans); mitochondrial defects and oxidative stress; DNA mutations and repair; telomeres and cellular senescence; mammalian aging; and evolutionary considerations. Laboratory exercises will include genetic and molecular "wet lab" approaches to studying aging using C. elegans, as well as a bioinformatics component that will allow students to gain hands-on experience with contemporary methods for DNA sequence and mRNA gene expression data analysis.

Woods Hole, MA
July 21–Aug 10, 2013

Application Deadline: March 11, 2013
For further information and application forms, visit: http://tinyurl.com/BioOfAging
or contact:
Admissions Coordinator
508.289.7401
admissions@mbl.edu

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