

# Molecular Biology of Aging

## Summer Course at MBL



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

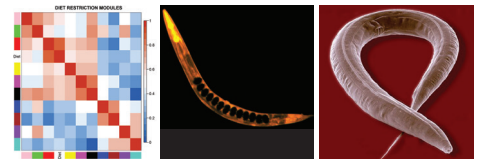
The course is open to graduate students, post-doctoral fellows, and independent investigators. Costs of attending the course, including travel, housing, and meals at MBL, are fully supported by The Ellison Medical Foundation.

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.

### 2012 Faculty Lecturers

Steve Austad, UTHSCSA and the Barshop Institute  
Nir Barzilai, Albert Einstein College of Medicine  
Holly Brown-Borg, University of North Dakota  
Anne Brunet, Stanford University  
Dan Gottschling, Fred Hutchinson Cancer Research Center  
Lenny Guarente, Massachusetts Institute of Technology  
Marcia Haigis, Harvard Medical School  
Pankaj Kapahi, Buck Institute for Research on Aging  
Matt Kaeberlein, University of Washington  
Matthew Meselson, Harvard University  
Richard Morimoto, Northwestern University  
Daniel Promislow, University of Georgia  
David Sinclair, Harvard Medical School  
Yousin Suh, Albert Einstein College of Medicine

**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](mailto:admissions@mbl.edu)

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