

# Molecular Biology of Aging

## Summer Course at MBL

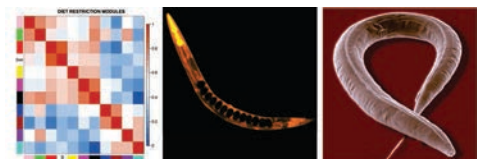


**A three-week lecture and laboratory course featuring the newest and most exciting ideas in aging research, with emphasis on molecular approaches.**

**Woods Hole, MA  
Aug 3-22, 2014**

The 2014 Molecular Biology of Aging Summer Course is directed by Daniel Promislow (University of Washington) and Matt Kaerberlein (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 data analysis.

Costs of attending the course, including travel, housing, and meals at MBL, are fully supported by The Ellison Medical Foundation



**Application Deadline  
March 11, 2014**

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)

Supported by:



### 2014 Confirmed Faculty Lecturers

Roz Anderson, University of Wisconsin  
Steve Austad, University of Alabama  
Nir Barzilai, Albert Einstein College of Medicine  
Rochelle Buffenstein, Barshop Institute  
Anne Brunet, Stanford University  
Judy Campisi, The Buck Institute  
Ana Maria Cuervo, Albert Einstein  
Lenny Guarente, MIT

Marcia Haigis, Harvard University  
Matt Kaerberlein, University of Washington  
Scott Pletcher, University of Michigan  
Daniel Promislow, University of Washington  
Gary Ruvkun, Harvard Medical School  
Mark Tarnopolsky, McMaster University  
Amy Wagers, Harvard University  
Doug Wallace, Children's Hospital of Philadelphia