



COURSE LECTURERS

Rochelle Buffenstein, Ph.D.
Calico

Judith Campisi, Ph.D.
Buck Institute for Research on Aging
Lawrence Berkeley National Laboratory

Heinrich Jasper, Ph.D.
Genentech

Matt Kaerberlein, Ph.D.
University of Washington

Dudley Lamming, Ph.D.
University of Wisconsin-Madison

Dana Miller, Ph.D.
University of Washington

Coleen Murphy, Ph.D.
Princeton University

David Sinclair, Ph.D.
Harvard University

Robert Shmookler-Reis, Ph.D.
University of Arkansas

Duygu Ucar, Ph.D.
The Jackson Laboratory

LABORATORY INSTRUCTORS

Cheryl Ackert-Bicknell, Ph.D.
University of Rochester

Sam Beck, Ph.D.
MDI Biological Laboratory

Kristopher Burkewitz, Ph.D.
Harvard University

Daniel Goldstein, Ph.D.
Yale School of Medicine

Muneer Hasham, Ph.D.
The Jackson Laboratory

Catherine Kaczarowski, Ph.D.
The Jackson Laboratory

Jason Karpac, Ph.D.
Texas A&M University

Vicki Losick, Ph.D.
MDI Biological Laboratory

Jarod Rollins, Ph.D.
MDI Biological Laboratory

George Sutphin, Ph.D.
University of Arizona

Yuka Takemon
The Jackson Laboratory

Dario Valenzano, Ph.D.
Max Planck Institute, Biology of Aging

Comparative and Experimental Approaches to Aging Biology Research: An Applied Laboratory in Aging Research Models

July 28 - August 11, 2018

Organizing Chair: Aric Rogers Ph.D., MDI Biological Laboratory
Co-Organizer: Ron Korstanje, Ph.D., The Jackson Laboratory

This hands-on research training course brings together leading scientists and students to explore established and emerging aging research model systems. Held near Acadia National Park in Bar Harbor, ME, the course emphasizes research using diverse experimental approaches and systems. Within this dynamic environment, participants will:

- examine, characterize and compare mechanisms relevant to the biology of human aging in systems including *C. elegans*, *Drosophila*, African Turquoise killifish, and mice;
- gain practical guidance regarding the analysis of big data used in conjunction with modern experimentation (e.g., RNAseq, QTL, GWAS);
- become empowered to incorporate new systems and technology (CRISPR, microinjection, mRNA translation profiling, quantitative fluorescence microscopy, and more) into their program of research;
- learn to utilize and develop new metrics of healthspan in application to aging research, and
- become part of a growing network of colleagues within the aging research community.

More Information

Details on the use of specific model systems, technology and aging paradigms addressed in the course, as well as the online application, are available at

<https://mdibl.org/course/aging-biology-research-2018/>. Fellowship funding is available.

Applications will be reviewed on a rolling basis until full. Senior graduate students, postdocs, and junior faculty are encouraged to apply. **Maximum enrollment is 20, so apply now!**

Some of our Partners



GLENN FOUNDATION
FOR MEDICAL RESEARCH

THE JACKSON LABORATORY
NATHAN SHOCK CENTER



INQUIRIES:

Aric Rogers, Ph.D.
Assistant Professor
MDI Biological Laboratory
207-288-9880, Ext. 436
arogers@mdibl.org