

## Invited Course Faculty

\*Alejandro Sanchez Alvarado  
Stowers Institute for Medical Research

Shelly Berger  
UPENN

\*Beth Duncan  
University of Kentucky

\*James Godwin  
The Jackson Laboratory

\*Vera Gorbunova  
University of Rochester

\*Itamar Harel  
The Hebrew University of Jerusalem

\*Celina Juliano  
UC Davis

\*Malcolm Maden  
University of Florida

\*James Monaghan  
Northeastern University

\*Ashley Seifert  
University of Kentucky

\*Confirmed

## Course Modules

Nexus between aging and  
regeneration

Planaria regeneration

Hydra regeneration

Heart regeneration

Histology and pathology

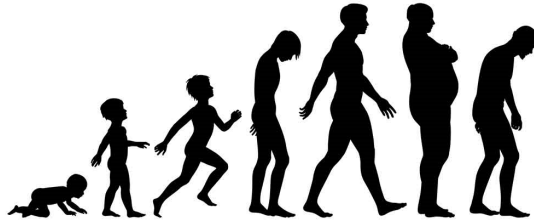
Limb Regeneration

## iCARB: Immersion in Comparative Aging and Regeneration Biology

An Applied Laboratory in Aging and Regeneration  
Research Models  
July 20-August 3, 2019

Director: Voot P. Yin, Ph.D., MDI Biological Laboratory  
Co-Director: Aric Rogers, Ph.D. MDI Biological Laboratory

This hands-on research training course brings together leading scientists and students to explore fundamental questions at the intersection of regenerative capacity and aging and its practical application. Held near Acadia National Park in Bar Harbor, ME, the course emphasizes research using diverse experimental approaches and model systems, complemented with seminars and networking opportunities by leaders of the field.



Within this dynamic environment each student will: 1) characterize and compare regenerative potential across a wide array of species; 2) investigate changes in regenerative potential during aging; 3) combine microsurgical methods with state of the art histology and molecular analysis; and 4) join a growing network of colleagues studying the cross-roads between regeneration and aging.

## More Information

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

<https://mdibl.org/course/aging-regenerative-biology-2019/>

Applications will be reviewed on a rolling basis until the course is full. Students, Postdoctoral Fellows and Junior Faculty are encouraged to apply. **Maximum enrollment is 24, so apply now!**

## Inquiries

Education Office  
MDI Biological Laboratory  
[education@mdibl.org](mailto:education@mdibl.org)

