



COURSE FACULTY

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LABORATORY MODULES

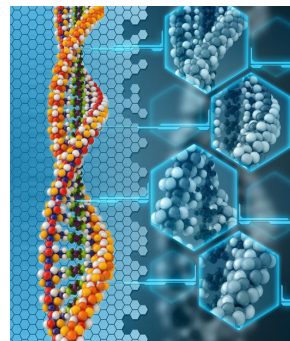
Spinal Cord Regeneration
Heart Regeneration
Limb Regeneration
Planaria Regeneration
RNA Sequencing
Comparative Bioinformatics
Wound Healing
Histology and Pathology

Comparative Regenerative Biology

July 29 - August 12, 2017

Course Director: Voot Yin, Ph.D., MDI Biological Laboratory

This hands-on research training course brings together leading scientists and students to explore fundamental questions in regeneration biology and its practical application. Held near Acadia National Park in Bar Harbor, ME, the course emphasizes research using diverse experimental approaches and model systems.



Extensive laboratory exercises and bioinformatics analysis of student generated transcriptome datasets form the core of the course. Within this dynamic environment, each student will: 1) characterize and compare regenerative potential across a wide array of species; 2) combine microsurgical methods with state of the art histology and molecular analysis; and 3) join a growing network of colleagues studying regeneration.

Course enrollment will also include registration for a unique 2-day symposium, [Learning from Nature: Comparative Biology of Tissue Regeneration and Aging](#). The symposium will bring together diverse experts in the fields of regeneration and aging biology and medicine with the overarching goal of developing new research directions and strategies for improving human health.

More Information

Details on the use of specific model systems, technology and modules addressed in the course, as well as the online application, are available on the [Comparative Regenerative Biology](#) course page. Applications will be reviewed until the course is full. Students, postdocs and junior faculty are encouraged to apply. Maximum enrollment is 18, so apply now.

Inquiries

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