



COURSE FACULTY

Salamanders

Karen Crawford
St. Mary's College of Maryland

Elly Tanaka
Center for Regenerative Therapies, Dresden

Planaria

Alejandro Sánchez Alvarado
Stowers Institute for Medical Research

Hydra

Brigitte Galliot
University of Geneva

Zebrafish

Ken Poss
Duke University Medical Center

Voot Yin
MDI Biological Laboratory

Bioinformatics

Ben King
MDI Biological Laboratory

Keynote Lecture

David Stocum
Indiana University-Purdue University

PLUS Expert Guest Lectures

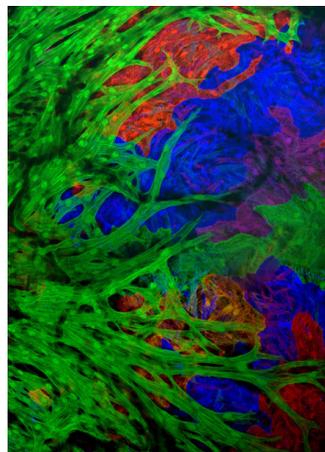
Comparative Regenerative Biology Course

June 21 - July 7, 2015

Course Organizers: Karen Crawford, Ken Poss, Voot Yin

This new course brings together leading scientists and students to study and discuss fundamental questions in regeneration biology and its practical application. Extensive hands-on laboratory and bioinformatics exercises form the core of the course.

Within this dynamic environment each student will: 1) examine, characterize and compare regenerative potential across a wide array of species; 2) gain practical guidance regarding animal care, handling and husbandry; 3) combine microsurgical methods with state of the art molecular analysis; and 4) join a growing network of colleagues studying regeneration.



Zebrafish heart regeneration (Poss lab)

A unique feature to the program is the incorporation of comparative bioinformatics approaches throughout the course to identify key common regenerative signatures between species.

Course enrollment will also include registration for a unique 2-day symposium entitled **Comparative Biology of Tissue Repair, 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.

Applications

Apply online at <http://mdibl.org/course/comparative-regenerative-biology-2015/>. On-line applications will be reviewed on a rolling basis until April 7, 2015. Students, post-docs, and junior faculty are encouraged to apply. Course fee of \$3300 includes tuition and meals. Maximum enrollment is 20. Financial assistance is available.

Inquiries:

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