Mechanisms of regeneration and their evolution

Wound repair and regeneration are fundamental features of animal biology, yet little is known about how these pathways compare across animal lineages. The goals of my research program are: 1) to identify cellular and genetic mechanisms for whole-body regeneration, and 2) to create a framework for rigorous cross-species comparisons to understand the evolution of regeneration. In this talk, I will discuss how we utilize a diversity of approaches including functional genomics, single-cell RNA-sequencing, and transgenesis to uncover the mechanisms of regeneration in Hofstenia, a new research organism.

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Tuesday, February 9, 2021
11:30am - 12:30pm

Zoom Link
pw: 7852649

The Genetics Calendar of Events can be viewed on-line at https://medicine.yale.edu/genetics/events/seminars.aspx