

Heart Regeneration: What the Zebrafish Can Teach Us

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Assistant Professor
MDI Biological Laboratory
Salisbury Cove, ME

Thursday, October 30th 2014
12:00-1:00 p.m.

Alfond 304
UNE, Biddeford Campus

Lunch will be provided

Hosted by: John Streicher, Ph.D.
Sponsored by: UNECOM Biomedical Sciences



Dr. Yin joined the MDI Biological Laboratory in late 2010 as an assistant professor in the Davis Center for Regenerative Biology and Medicine following an American Heart Association Postdoctoral Fellowship at Duke University Medical Center. Dr. Yin is an expert in the field of cardiac and limb tissue regenerative biology. This work is increasingly critical to address the prevalence of cardiovascular diseases, the leading cause of mortality and morbidity in

the Western world.

Dr. Yin's research program examines the process of tissue regeneration in animals that have perfected the process of tissue repair during evolution. Using this platform, Dr. Yin dissects the genetic basis for regeneration and applies this information toward designing therapies that restore regenerative responses in humans. Recently, his lab discovered that ZF143, a repurposed drug, enhances tissue regeneration of complex limb and heart tissues. This groundbreaking work led to the co-founding of Novo Biosciences, Inc., a regenerative medicine company devoted to accelerating our innate ability to heal, with Dr. Kevin Strange.

Dr. Yin currently serves as Novo's chief scientific officer. He was a featured speaker at the 2013 TedxDirigo event where he described the potential of small compounds to reawaken regenerative pathways. Dr. Yin earned his Bachelor's degree from Bates College in Biology and received his doctorate from the University of Utah in Human Genetics. In 2013, Dr. Yin was recognized as one of the ten Maine "innovative business people" who "hold tremendous promise for the state" and its future economy.