



The Department of Molecular, Cellular and Developmental Biology Seminar Series Presents



Lillian Fritz-Laylin
Assistant Professor of Biology
UMass, Amherst

“Our evolving view of cell motility”

Dr. Fritz-Laylin is an evolutionary cell biologist who combines microscopy with comparative genomics and phylogenetics to understand the evolution and regulation of the eukaryotic cytoskeleton. Her lab studies two organisms with dynamic cytoskeletal properties and unique positions in the evolutionary tree: the amphibian-killing *Bradiochytrium dendrobatidis*, and *Naegleria gruberi*, which is a non-pathogenic cousin to the fatal “brain eating amoeba”. Studying these diverse organisms has revealed conserved features of the eukaryotic cytoskeleton, as well as uncovered new and unexpected behaviors of less-studied pathogens. Dr. Fritz-Laylin received her Ph.D. from the University of California, Berkeley, where she combined classical cell biology with comparative genomics in the laboratory of Dr. W. Zac Cande. She was a Helen Hay Whitney Postdoctoral Fellow in the laboratory of Dr. Dyche Mullins at the University of California, San Francisco, and is currently an Assistant Professor in the Biology Department at the University of Massachusetts, Amherst.

Wednesday, May 1, 2019
Sterling Chemistry Lab 160
225 Prospect Street, New Haven
3:45pm Tea 4:00pm Seminar
Hosted by: Tom Pollard

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