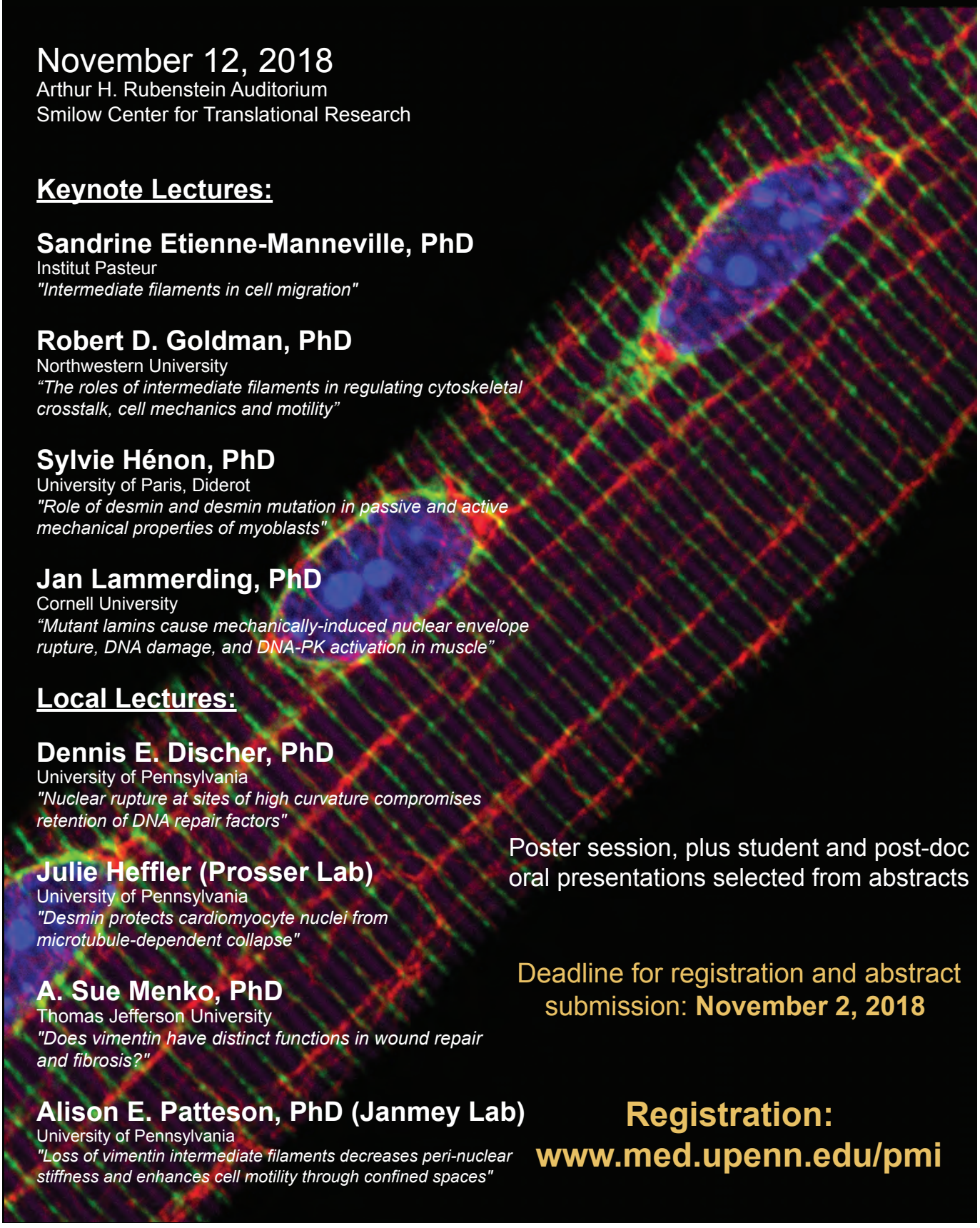
Pennsylvania Muscle Institute
Annual Retreat and Symposium

Perelman School of Medicine
University of Pennsylvania

Intermediate Filaments
Cytoskeletal Mechanics, Motility, and the Nucleus



November 12, 2018
Arthur H. Rubenstein Auditorium
Smilow Center for Translational Research

Keynote Lectures:

Sandrine Etienne-Manneville, PhD
Institut Pasteur
"Intermediate filaments in cell migration"

Robert D. Goldman, PhD
Northwestern University
"The roles of intermediate filaments in regulating cytoskeletal crosstalk, cell mechanics and motility"

Sylvie Hénon, PhD
University of Paris, Diderot
"Role of desmin and desmin mutation in passive and active mechanical properties of myoblasts"

Jan Lammerding, PhD
Cornell University
"Mutant lamins cause mechanically-induced nuclear envelope rupture, DNA damage, and DNA-PK activation in muscle"

Local Lectures:

Dennis E. Discher, PhD
University of Pennsylvania
"Nuclear rupture at sites of high curvature compromises retention of DNA repair factors"

Julie Heffler (Prosser Lab)
University of Pennsylvania
"Desmin protects cardiomyocyte nuclei from microtubule-dependent collapse"

A. Sue Menko, PhD
Thomas Jefferson University
"Does vimentin have distinct functions in wound repair and fibrosis?"

Alison E. Patteson, PhD (Janmey Lab)
University of Pennsylvania
"Loss of vimentin intermediate filaments decreases peri-nuclear stiffness and enhances cell motility through confined spaces"

Poster session, plus student and post-doc oral presentations selected from abstracts

Deadline for registration and abstract submission: **November 2, 2018**

Registration:
www.med.upenn.edu/pmi