



The College of Arts and Sciences

New Faculty
2013-2014

WESTERN MICHIGAN UNIVERSITY

Department of

Biological Sciences



Dr. Wendy Beane

Dr. Wendy S. Beane is a stem cell and regeneration research scientist with a B.S. in Biomedical Sciences from Averett University. She received her Ph.D. from Duke University in Developmental, Cellular and Molecular Biology, studying patterning and cell movements during development using the urchin embryos as a model system. During this time she helped to annotate the Sea Urchin Genome, investigated the role of small GTPases in gene regulatory networks during early cleavage-stage cell specification, mentored ten students and cemented her love of teaching. She went on to do an NRSA Postdoctoral Fellowship, first at the Forsyth Institute at Harvard University and later at Tufts University, where she mentored five students and studied the regenerative powers of the planarian flatworm. Her work uncovered a role for membrane voltage during regeneration, which is vital for deciding the identity of new tissues and for remodeling pre-existing ones.

Dr. Beane's research at Western Michigan University will expand the knowledge of how regeneration works by investigating the question of regenerative shape. Her postdoctoral work established planaria as the first model for adult stem cell-mediated shape regulation. Her research program will focus on two main areas: (1) determining the signaling pathways that control regenerative shape, and (2) discovering how tissues decide they have reached their target shape and should stop regenerating.



The College of Arts and Sciences represents the academic heart and liberal arts core of Western Michigan University and provides a broad range of academic programs for students. As the largest college at WMU, CAS:

- Employs more than 330 full-time faculty members
- Enrolls more than 5,000 majors and more than 1,000 graduate students across 26 departments and interdisciplinary programs
- Provides the foundation for the general education curriculum at WMU
- Teaches approximately half of all student credit hours at all WMU campuses
- Implements six strategic priorities of the college strategic plan

One of the top-100 public university in the United States, WMU is committed to being learner centered, discovery driven and globally engaged. Founded in 1903, what was once Western Michigan College became Michigan's fourth public university in 1957. Today, WMU offers more than 240 academic programs to 25,000 students pursuing degrees through the doctoral level. WMU's campuses encompass more than 1,200 acres and 151 buildings, featuring some of the finest facilities in the Midwest. Its main campus is located near downtown Kalamazoo.



Greetings!

Welcome to the start of a new academic year at Western Michigan University.

This fall 2013 semester, the College of Arts and Sciences welcomed another wonderful group of stellar new faculty members. In total, eleven full-time tenure-track faculty and six term faculty joined the College. I invite you to peruse this booklet to learn more about our newest colleagues.

Each individual brings unique talent, skill, expertise and accomplishments that will enhance WMU's teaching, learning, discovery and service. Early career faculty are critical to achieving our college's mission and vision. They represent the renewal of our great college, and more importantly, the sustainability of the liberal arts at WMU. Please join me in welcoming these very impressive faculty to our campus.

A handwritten signature in blue ink, appearing to read 'A. Enyedi', written in a cursive style.

Dr. Alexander Enyedi, Dean
College of Arts and Sciences