



UNIVERSITY OF WISCONSIN
WHITEWATER

COLLEGE of LETTERS AND SCIENCES

Biological Sciences

Dr. Pete Mesner

Associate Professor
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Education:

B.S. Zoology, Univ. of Wisconsin-Oshkosh
M.S. Zoology, Univ. of Wisconsin-Oshkosh
Ph.D. Biology, University of Iowa
Post-doctoral Fellowship, The Mayo Clinic,
Rochester, MN

Research Interests - Molecular Cell Biology/Tumor Cells/Mitochondria. My lab studies aspects of cell metabolism, organelle function, and programmed cell death. I am interested in understanding how tumor cells are adapted to survive in harsh conditions and in helping define the function of known, but presently unstudied, proteins of the mitochondrial proteome.

Current Ongoing Research Projects

- Selecting and characterizing human tumor cell lines adapted to grow under conditions that mimic the environment inside of real tumors (e.g. low nutrient and oxygen concentrations and low pH) and thus are better models for developing and studying anti-cancer drugs.
- Using published proteomic data to identify and clone genes that encode unstudied mitochondrial proteins. The study of such proteins promises to deepen our understanding of the critical function played by mitochondria in health and disease.

If you are interested in learning more, please visit my faculty webpage:

<http://facstaff.uww.edu/mesnerp/>



Student Testimonials:

“ Dr. M. I want to offer a much deserved thank you to you as my former mentor. Countless times during my grad. school interviews I was complemented on my undergrad. thesis work in your lab. Thanks for the way you cultivated and encouraged my curiosity and passed on to me the core values of scientific thought. ” – Byron Burnette, Ph.D. (UWW class of 2006)