

BIOGRAPHICAL SKETCH
MARIA A. BURNATOWSKA-HLEDIN

A. Professional Preparation

Physiology, McGill University,	Ph.D., 1980
Physiology, McGill University,	M.S., 1977
Biochemistry, McGill University,	B.S., 1975

B. Appointments

Professor, Departments of Biology and Chemistry, Hope College, 1998-Present
Associate Professor, Departments of Biology and Chemistry, Hope College, 1992-1998
Assistant Professor, Department of Physiology, Michigan State Univ., 1987-1992
Instructor, Department of Physiology, Michigan State University, 1985-1987
Instructor, Departments of Med. and Phys., Michigan State Univ., 1983-1985

C. Publications (* indicates undergraduate co-authors; undergraduate REU co-authors in bold-faced)

9. Gabe Marquez, Michael Hledin and Maria Burnatowska-Hledin: Regulation of VACM-1 expression. Presented at Univ. of Notre Dame, Aug. 2006
10. A. Johnson and M. Burnatowska-Hledin, Neddylation and/or Phosphorylation of VACM-1/cul-5 is Required for its Regulation of Estrogen-dependent Growth in T47D breast cancer cell line. ASBMB. Wash. DC. Apr 2007.
11. Oosterhouse, E. and M. Burnatowska- Hledin. The Antiangiogenic Effect of VACM-1 Protein in Rat Endothelial Cells is Regulated by its Neddylation and/or Phosphorylation Status.

D. Synergistic Activities

Invited speaker at West Michigan Regional Undergraduate Science Research Conference. Oct. 20, 2007.

Invited speaker at a *Bioinformatics Workshop* at Bates College (June 2006).

Organized and chaired a meeting on *Bioinformatics* for GLCA/AMC colleges in May 2004.

Sigma Xi Award for Scientific Outreach, Hope College, 2001

Chair and Presenter, ACS-Midwest Meeting on Teaching Biochemistry through Research, 2001

Dreyfus Teacher/Scholar Award, 2000

NIH Grant Review Panelist, 1995-1996

American Heart Association Grant Review Panelist, 1995-1999

American Physiological Society

American Association for the Advancement of Science

American Society of Biochemistry and Molecular Biology

American Society of Cell Biology

(ii). Recent External Grant Support

2004-2008 NIH-AREA grant: "VACM-1, a cul 5 gene regulates cell growth and angiogenesis." \$209,232.

2003: MITC: Planning proposal entitled "Hands-on Teaching Bioinformatics" \$ 3400

2004: "MITC: Hands-on Teaching Bioinformatics" Workshop at Hope College

E. Collaborators and other Affiliations

(i) undergraduate research students:

Approximately 37-undergraduate students mentored since 2000. Nine undergraduates active in the lab in 2007-2008: Brian Clow'08, J.P. Joe Stodola '09, Shirley Bradley'10, , Lida Dabney'10 (Harper Community College-Chicago), John Pelton,'09, Emmy Shuietman'10, Jeanne Oxendine'11, Paula Munoz'12 and Drake Harper (High School).

Nine undergraduate students active in 2006-2007 research group: Alyssa Johnson'07, Liz Oosterhouse'07, Emily Harper'07, Stephanie Harrier'07, Justin Lubbers'08, Brian Clow'08, J.P. Pustelak'08, Nick Zandler'08, Shirley Bradley'10, Joe Stodola'09, Lida Darby'08 (Harper Community College-Chicago), Mike Hledin (High School) Gabe Marquez (High School-REACH student)

(ii) Collaborations:

Dr. James Resau, Van Andel Research Institute (Grand Rapids, MI). Microarray analysis.