

CURRICULUM VITAE

Mark J. Hubley, PhD

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PROFESSIONAL EXPERIENCE

- 2017- *Professor and Department Chair, Prince George's Community College*
Department of Natural Sciences and Engineering
- 2010-2017 *Department Chair, Prince George's Community College*
Department of Biological Sciences
- 2007-2017 *Professor, Prince George's Community College*
Department of Biological Sciences
- 2002-2007 *Associate Professor, Prince George's Community College*
Department of Biological Sciences
- 2001-2002 *Visiting Assistant Professor, Salisbury University*
Department of Biological Sciences
- 1996-2001 *Assistant Professor, Washington College*
Department of Biology
- 1994-1996 *Postdoctoral Associate, University of Florida College of Medicine*
Department of Neuroscience

EDUCATION

- 1995 **Florida State University**, Tallahassee, FL
Ph.D. in Biological Science
Dissertation: The effects of temperature on diffusive transport of phosphorous metabolites in goldfish (*Carassius auratus*) skeletal muscle
- 1989 **Wake Forest University**, Winston-Salem, NC
B.S. in Biology
Magna Cum Laude, Phi Beta Kappa
- 1985 **Stephen Decatur High School**, Berlin, MD
Class Salutatorian

PUBLICATIONS

Hubley, M. and A. Imholtz. 2012. Human Anatomy and Physiology I & II Laboratory Manual. Hayden-McNeil Publishing.

Hubley, M.J. 2006. Human Anatomy & Physiology I Laboratory Manual.

Hubley, M.J., C.D.-A. Parks, and J. Lin. 2001. Temperature-induced changes in the locomotor capacity of juveniles of *Marenzelleria viridis* (Polychaeta, Spionidae). *Invertebrate Biology* 120: 372-377.

Hubley, M.J., B.R. Locke, and T.S. Moerland. 1997. Reaction-diffusion analysis of the effects of temperature on high-energy phosphate dynamics in goldfish skeletal muscle. *Journal of Experimental Biology* 200: 975-988.

Hubley, M.J., B.R. Locke, and T.S. Moerland. 1996. Temperature effects on diffusion of phosphorus metabolites in skeletal muscle. *Biothermokinetics of the Living Cell*: 300-304.

Hubley, M.J., B.R. Locke, and T.S. Moerland. 1996. The effects of temperature, pH, and magnesium on the diffusion coefficient of ATP in solutions of physiological ionic strength. *Biochimica et Biophysica Acta* 1291: 115-121.

Hubley, M.J. and T.S. Moerland. 1995. Application of homonuclear decoupling to measures of diffusion in biological ³¹P spin echo spectra. *NMR in Biomedicine* 8: 113-117.

Hubley, M.J., R. Rosanske, and T.S. Moerland. 1995. Diffusion coefficients of ATP and creatine phosphate in isolated muscle: Pulsed gradient ³¹P NMR of small biological samples. *NMR in Biomedicine* 8: 72-78.

Browne, R.A., C.R. Griffin, P.R. Chang, M. Hubley, and A.E. Martin. 1993. Genetic divergence among populations of the Hawaiian Duck, Laysan Duck, and Mallard. *The Auk* 110: 49-56.

GRANTS, AWARDS, AND HONORS

- 2008 Faculty Senate Excellence Award
Awarded annually to an outstanding member of the PGCC faculty
- 2001 Gold Pentagon Award
Given at commencement to one alumnus, faculty, or friend of the College, selected by the OΔK honor society, in recognition of meritorious service to Washington College
- 2001 Merck/AAAS Undergraduate Science Research Award
Co-author of a proposal submitted jointly by the Departments of Biology and Chemistry
Amount awarded: \$60,000
- 1999 Elected to the Project Kaleidoscope Faculty for the 21st Century
- 1997 Merck/AAAS Undergraduate Science Research Award
Principal author of a proposal submitted jointly by the Departments of Biology and Chemistry
Amount awarded: \$60,000
- 1995 Individual National Research Service Award
Title: Study of spinal cord metabolism after injury and repair
Source: National Institute of Neurological Disorders and Stroke
Amount awarded: \$22,608
- 1995 Florida Brain and Spinal Cord Injury Rehabilitation Trust Fund
Title: MR spectroscopy of spinal cord metabolism after injury and repair
Authors: M.J. Hubley and T.H. Mareci
Amount awarded: \$18,141
- 1994 Florida Brain and Spinal Cord Injury Rehabilitation Trust Fund
Title: MR imaging and spectroscopy of spinal cord injury
Authors: T.H. Mareci and M.J. Hubley
Amount awarded: \$29,000
- 1993 Florida State University Dissertation Fellowship
- 1991 Best Student Poster Award in the Division of Comparative Physiology and Biochemistry of the American Society of Zoologists
- 1989 Carolina Biological Supply Undergraduate Research Award

ADVISING, COMMITTEES, AND OTHER SERVICE ACTIVITIES

- 2012- Member of the General Education Task Force
- 2009-2011 Member of *ad hoc* committee to revise faculty promotion and tenure
- 2008- 2010 Member of the STEM Division Tenure Committee
- 2008-2010 Member of the PGCC Academic Council
- 2008-2009 Member of *ad hoc* committee to revise Faculty Evaluation Plan
- 2007 Member of the PGCC Presidential Search Committee
- 2006-2010 President of the PGCC Faculty Organization
- 2005-2006 Faculty Mentor
- 2003-2006 Member of the Faculty Senate (sciences/engineering representative)
- 2003-2006 Course Coordinator for Human Anatomy & Physiology I
- 2002-2006 Member of the Traffic Appeals Board
- 2000-2001 Member of the Academic Standing and Advising Committee
- 1999-2001 President of the Washington College Phi Beta Kappa Association
- 1998-2000 Budget manager for the Merck/AAAS grant
- 1998-1999 Member of the Curriculum Committee
- 1998-1999 Member of the Faculty Mentoring Committee
- 1997-2001 Academic adviser for undergraduate students
- 1997-2001 Member of the Washington College Phi Beta Kappa Association
- 1997-2001 Creator and manager of the Department of Biology web site
- 1997-2000 Member of the Academic Resources Committee
- 1996-2001 Adviser for programs in allied health

PROFESSIONAL ORGANIZATIONS/PROFESSIONAL DEVELOPMENT

Member of the Human Anatomy and Physiology Society

Member of Phi Beta Kappa

- 2013 Presenter at HAPS 27th Annual Conference, Las Vegas
Using computers to replace microscopes in the anatomy and physiology laboratory
- 2013 Participant in Pearson Anatomy & Physiology Forum, San Francisco
- 2012 Participant in Achieving the Dream's 2012 Annual Meeting on
Student Success, Dallas, TX
- 2006 Participant in McGraw-Hill Anatomy & Physiology Revealed focus
group, Dubuque, IA
- 2006 Participant in McGraw-Hill Anatomy & Physiology focus group,
Chicago, IL
- 2005- Reviewer for McGraw-Hill publishing
- 2005 Co-coordinator of the PGCC Teacher's Retreat, "A Pragmatic
Approach to Teaching in the 21st Century."
- 2004- Reviewer for Pearson Benjamin Cummings publishing
- 2004 Participant in the Science Education for New Civic Engagements
and Responsibilities (SENCER) Summer Institute at Santa Clara
University
- 2003 Participant in the PGCC Master Teacher Workshop
- 1999 Participant in the Project Kaleidoscope Workshop, "Biochemistry:
Biology or Chemistry?"
- 1998-2001 Reviewer for the journal *Magnetic Resonance in Medicine*
- 1998 Participant in the Project Kaleidoscope Workshop, "Inter-
disciplinary Connections: Blueprints for Reform in Undergraduate
Neuroscience."
- 1997 Participant in the Faculty Workshop for Undergraduate Laboratory
Teaching Exercises in Neuroscience at Cornell University