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Alabama State University  
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**EDUCATION:**

Ph.D.  
University of Alabama at Birmingham - Birmingham, AL  
Physiological Optics  
October 1986

B. S.  
Vanderbilt University  
General Biology  
August 1980

B.S.  
Vanderbilt University  
Psychology  
August 1980

**AWARDS HONORS:**

ARVO Travel Grant Award -1988  
State of Alabama Professional Scholarship - 1985  
American Optometric Association Ezell Fellow -1981-1984.  
Society for Neurotrauma Podium Presentation and Poster Award 2003.

**EMPLOYMENT:**

**Academics**

Associate Professor and Course Coordinator (2016-present)  
Departments of Occupational Therapy and Physical Therapy, Alabama State University

Assistant Professor and Course Coordinator  
Department of Biomedical Sciences, Tuskegee University (2005-2016).

Adjunct Professor and Course Coordinator  
Department of Psychology, Tuskegee University, 2011-2013.

Instructor/Course Coordinator  
Department of Physical Therapy, University of Alabama at Birmingham, 1987; 1992-94.

Adjunct Professor  
Division of Social and Behavioral Sciences, Birmingham-Southern College, 1987.

Instructor  
University of Alabama at Birmingham School of Medicine, 1987-1989.

Teaching Assistant  
Department of Biology, University of Alabama at Birmingham, 1982-1990.

Teaching Assistant

University of Alabama at Birmingham School of Optometry, 1980-1986.

Research

Assistant Professor

Department of Biomedical Sciences, Tuskegee University September 2005-Aug2016.

Research Associate

Department of Physiological Optics, University of Alabama at Birmingham, Dec 1998-June 2005.

Research Associate

Department of Physiological Optics, University of Alabama at Birmingham, 1992-1995.

Data Coordinator

Department of Infectious Diseases, University of Alabama at Birmingham, 1998-1999.

Research Coordinator

Department of Optometry, University of Alabama at Birmingham, 1995-1997.

Post-Doctoral Fellow

Department of Ophthalmology, University of Alabama at Birmingham, 1987-1990.

Research Associate

Department of Physiological Optics, University of Alabama at Birmingham, 1986-1987.

PEER-REVIEWED PUBLICATIONS:

Hickey, T. L., David R. Whitehart, C. A. Jackson, Peter F. Hitchcock and Jean D. Peduzzi. Tritiated thymidine experiments in the cat: A description of techniques and experiments to define the time course of radioactive thymidine availability. J. Neurosci. Methods, 8:139-147, 1983.

Jackson, C. A. and T. L. Hickey. Use of the ferret (*Mustela putorius furo*) in studies of the visual system. Laboratory Animal Science, 6: 211-215, 1985.

Amthor, F. A. and C. A. Jackson. Staining of retinal neurons in the isolated eyecup by extracellular horseradish peroxidase injection. Vision Research, 26(2): 269-274, 1986.

Sloane, M. E., C. Owsley and C. A. Jackson. Aging and luminance-adaptation effects on spatial contrast sensitivity. J. Optical Soc. of America, A., 5:2181-2190, 1988.

Jackson, C. A., J. D. Peduzzi, and T. L. Hickey. Visual cortex development in the ferret. I. Genesis and migration of visual cortical neurons. J. Neuroscience, 9(4): 1242-1253, 1989.

Owsley, C., M. E. Sloane, H. W. Skalka and C. A. Jackson. A comparison of the Regan low-contrast letter charts and contrast sensitivity testing in older patients. Clinical Vision Sciences, 6: 1235-1242, 1990.

Bledsoe, A.W., C.A. Jackson, S. McPherson, and C. D. Morrow. Cytokine production in motor neurons by poliovirus replicon vector gene delivery. Nature Biotechnology, 18: 964-969, 2000.

Jackson, C. A., C. Cobbs, J. D. Peduzzi, Miroslav Novak and C. D. Morrow. Repetitive Intrathecal Injections of Poliovirus Replicons Result in Gene Expression in Neurons of the Central Nervous System Without Pathogenesis. Human Gene Therapy, 12:1827-1842, 2001. Cover photo.

Ansardi, D.C., D.C. Porter, C.A. Jackson, G.Y. Gillespie and C. D. Morrow. 2001. RNA replicons derived from poliovirus are directly oncolytic for human tumor cells of diverse origins. Cancer Res., 61:8470-8479.

Jackson, C.A., J. D. Messinger, M.T. Palmer, J.D. Peduzzi and C.D. Morrow. 2003. Intramuscular Inoculation of Encapsidated or Naked Poliovirus Replicons Results in Gene Expression in the Muscle and Central Nervous System. Virology, 314(1): 45-61. Cover photo.

Novak, M.J., Moldoveanu, Z., Huang, W.Q., Jackson, C.A., Palmer, M.T., McPherson, S.A. and Morrow, C.D. 2003. Intramuscular immunization with poliovirus replicons primes for a humor and cellular immune response to soluble antigen. Viral Immunology, 16(2): 169-82.

Jackson, C.A., J.D. Messinger, J.D. Peduzzi, D.C. Ansardi, and C.D. Morrow. 2005. Enhanced functional recovery from spinal cord injury following Intrathecal or Intramuscular administration of poliovirus replicons encoding IL-10. Virology, 336: 173-183. Cover Photo.

Raboin, S.J., Gulley, S., Henley, S.C., Chan, W.C., Esdaile, A. R. Jackson, C.A., and Sayegh, A.I. 2006. Adrenalectomy attenuates myenteric but not dorsal vagal complex Fos-like immunoreactivity by cholecystokinin-8 in the rat. American Journal Veterinary Research.

Raboin, S.J., Gulley, S., Henley, S.C., Chan, W.C., Esdaile, A. R., Jackson, C.A., Billups, L.H. and Sayegh, A.I. 2006. Effect of sympathectomy and demedullation on increased myenteric and dorsal vagal complex Fos-like immunoreactivity by cholecystokinin-8. Regulatory Peptides.

Heath, J., Yamani, N., Jackson, C., Aaron, J., Cruz, S., Owens, M., Stobaeus, N. 2010. Effects of Methylmercury Pubescent Exposure on the Brain and Reproductive System. The Toxicologist, 114(1), 180.

#### RESEARCH INTERESTS:

Use of Canine Therapy Dogs in Stress Alleviation  
Neuropathological and Reproductive Effects of Mercury Exposure  
Treatment Approaches to Spinal Cord and Brain Trauma

#### SERVICE TO UNIVERSITY AND COMMUNITY:

ASU Biosafety Committee (Assistant Chair)  
Admissions Committee & Curriculum Committee, ASU Department of Occupational Therapy  
Science Olympiad Coach in Anatomy for Alabama State team  
Auburn Area Community Theatre Board member

#### COURSES TAUGHT IN PT/OT/P&O PROGRAM:

HSC 4800 Introduction to Advanced Human Anatomy  
HSC 5001 Advanced Human Gross Anatomy  
HSC 5005 Neuroscience  
MPO 5230 Neuroscience for Prosthetics and Orthotics  
PTH 5120 Human Embryology  
PTH 5221 General Pathophysiology  
PTH 5321 Applied Pathophysiology