

Dwayne N Jackson, Ph.D.

Present Position: Assistant Professor, Department of Medical Biophysics, Schulich School of Medicine & Dentistry, The University of Western Ontario, London, Ontario, Canada.

Education: B.Sc. (hon.) in Human Kinetics, University of Ottawa (1993-1997); M.A. Human Kinetics (Thermoregulatory Physiology), University of Ottawa (1998-2000); Ph.D. Kinesiology (Neurovascular Physiology), The University of Western Ontario (2001-2005); Postdoctoral Fellow (Microvascular Physiology), Yale University School of Medicine/John B. Pierce Laboratory (2005-2006); Postdoctoral Fellow (Microvascular Physiology), Schulich School of Medicine & Dentistry, The University of Western Ontario (2006-2007).

Professional Societies: Microcirculatory Society (Nominations Committee 2008-2009), American Physiological Society, New York Academy of Sciences, Canadian Breast Cancer Research Alliance

Funding: NSERC- A comprehensive and integrated approach to the study of vascular control; CIHR- Physical activity, estrogen and peptidase control of neurovascular function in skeletal muscle; CIHR- Steps in Metastasis: Identifying Therapeutic Targets; CBCRA- Metastasis team award; The University of Western Ontario Academic Development Fund- The impact of sympathetic nerves and associated receptor activation on the progression of breast cancer: a link between nerves, vessels, and cell proliferation?

Honors and Awards: National Cancer Institute of Canada (NCIC) Young Investigator Award (2009), Schulich Teaching Award Nominee (2009), UWO USC Teaching Honor Roll (2007-Present), International Union of Physiological Sciences (IUPS) Travel Award (2005)

Grant Review: NSERC (2007-present), CIHR (2006-Present)

Peer Review: American Journal of Physiology, Journal of Physiology (London), Journal of Applied Physiology, Nutrition, and Metabolism

Current Research

Interests: 1) How the sympathetic nervous system modulates skeletal muscle blood flow under healthy resting conditions. 2) How sex and aging impact skeletal muscle microvascular regulation under resting and stimulated conditions. 3) How pre-diabetes and metabolic syndrome impacts sympathetic nervous system microvascular control. 4) The role of the sympathetic nervous system in breast cancer progression (angiogenesis, neovascularization, neurogenesis, and chemotaxis).

Personal

statement: In the years that I have been associated with the MCS I have formed valuable relationships and collaborations and benefited greatly. I feel that the "open door" atmosphere in our society fosters these important interactions and encourages meaningful scientific discussions among members of all ages and statuses.

This type of environment facilitates the progression of our discipline and interest in the science we carry out. Being a councilor I would like to bolster these attributes and build on the interaction between senior and junior researchers and graduate students. I feel this is a worthwhile investment in the future successes of our society and its members.