

Peter F. Bodary, PhD

Clinical Assistant Professor, Movement Science
School of Kinesiology, University of Michigan
E-mail: pfbodary@umich.edu Phone: (734) 615-0916

EDUCATION

B.S. Grand Valley State University; Health Science, 1992
M.S. University of Toledo; Health Promotion and Human Performance, 1994
Ph.D. University of South Carolina; Public Health: Exercise Science, 2000

POSTDOCTORAL TRAINING

Research Fellow, 2000 – 2002
University of Michigan Medical Center, Ann Arbor, Michigan
Division of Cardiovascular Medicine
Cardiovascular Research Center
Mentor: Daniel T. Eitzman, M.D.

ACADEMIC APPOINTMENTS

Aug 1999 –	May 2000	Lecturer	University of South Carolina
Sept. 2000 –	Jan. 2002	Post-doctoral Fellow	University of Michigan
Jan. 2002 –	May 2002	Assistant Professor	University of Toledo
May 2002 –	Aug. 2006	Research Investigator	University of Michigan
Aug. 2006 –	June 2008	Assistant Professor	Wayne State University
June 2008 --	Sep 2013	Assistant Professor	University of Michigan
Sep 2013 --	Current	Clinical Assistant Professor	University of Michigan

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American College of Sports Medicine
American Diabetes Association
American Heart Association, Nutrition, Metabolism, and Physical Activity Council
American Heart Association, Arteriosclerosis, Thrombosis, and Vascular Biology Council

HONORS

Students' Choice for Teaching Award (2009), School of Kinesiology, University of Michigan
Junior Faculty Award (2005), American Diabetes Association
Young Investigator Prize for Thrombosis (2004), American Heart Association
Internal Medicine Research Day Award (2001 and 2002), University of Michigan
Doctoral Student Summer Dissertation Fellowship (1999), University of South Carolina.
Student Travel Award (1998), University of South Carolina Graduate School.

TEACHING ACTIVITIES

1994/1999 Instructor of laboratories in Exercise Physiology and Exercise Biochemistry
1999 - Co-Instructor of undergraduate Physiology courses, University of South Carolina
2002 - Instructor of Graduate Exercise Physiology course, University of Toledo
Fall 2004 - Instructor of 3 credit course: MVS 471: Physical Activity, Health and Disease
2006/2008 - Mentored 1 graduate student and 3 undergraduate Honor's theses
Fall 2007 - Taught graduate course: Nutritional Epidemiology (NFS 7240)
Win 2008 - Taught undergraduate course: Human Nutrition (NFS 2210)
Fall 2008 - Taught undergraduate course: Exercise Physiology (MVS340)
Fall 2009 - Taught undergraduate course: Exercise Physiology (MVS340)
Win 2010 - Taught undergraduate course: Statistics and Research Design (MVS250)
Fall 2010 - Taught undergraduate course: Exercise Physiology (MVS340)
Fall 2011- Taught undergraduate course: Exercise Physiology (MVS340)
Winter 2012 – Taught undergraduate course: Statistics and Research Design (MVS250)
Winter 2012 – Taught new undergraduate course: Applied Exercise Physiology (PE313)
Fall 2012 - Taught undergraduate course: Exercise Physiology (MVS340)

Winter 2013 – Taught new undergraduate course: Cardiovascular Ex Physiology (MVS413)
Winter 2013 – Taught undergraduate course: Applied Exercise Physiology (PE242)
Fall 2013 – Taught undergraduate course: Exercise Physiology Lecture (MVS 340)
Winter 2014 – Taught undergraduate course: Introduction to Movement Science (MVS 110)
Winter 2014 – Taught undergraduate course: Nutrition, Exercise and Weight Control (MVS 241)
Winter 2014 – Taught undergraduate course: Anatomy and Physiology (AT/HF 220)
Fall 2014 – Taught MVS 340, MVS 110 and MVS 340 Laboratory
Winter 2015 – Taught AT 220, MVS 110 and MVS 241
Fall 2015 – Taught MVS 110, MVS 241, MVS 340
Winter 2016 – Taught AT 220, MVS 241, MVS 413, MVS 513

PEER REVIEWED PUBLICATIONS

1. Kang JJ, **Bodary PF**. How old are your arteries? Exercise-mediated protection from age-associated vascular stiffness. *J Am Heart Assoc*. 2014 Apr 22; 3(2): e000941.
2. Kang J, Shu L, Park J, Shayman JA, and **Bodary PF**. Endothelial Nitric Oxide Synthase Uncoupling and Microvascular Dysfunction in the Mesentery of Mice Deficient in α -Galactosidase A. *Am J Physiol Gastrointest Liver Physiol*. 2014; Jan; 306(2): G140-6.
3. Ma X, Patterson KP, Gieschen KM, and **Bodary PF**. Are serum hepcidin levels chronically elevated in collegiate female distance runners? *Int J Sport Nutr Exerc Metab*. April 9, 2013 (Epub ahead of print).
4. Wang H, Morales-Levy M, Rose J, Mackey L, **Bodary P**, Eitzman D, Homeister JW. α (1,3)-Fucosyltransferases FUT4 and FUT7 control murine susceptibility to thrombosis. *American Journal of Pathology*. 2013 Jun;182(6):2082-93.
5. Wang H, Luo W, Wang J, Guo C, Wang X, Wolffe SL, **Bodary PF**, Eitzman DT. Obesity-induced endothelial dysfunction is prevented by deficiency of P-selectin glycoprotein ligand-1. *Diabetes*. 2012 Dec;61(12):3219-27.
6. Johnson JA, Calo S, Nair L, IglayReger HB, Greenwald-Yarnell M, Skorupski J, Myers MG Jr, **Bodary PF**. Testosterone interacts with the feedback mechanisms engaged by Tyr985 of the leptin receptor and diet-induced obesity. *J Steroid Biochem Mol Biol*. 2012 Nov;132(3-5):212-9.
7. Saadat N, Iglayreger HB, Myers MG Jr, **Bodary P**, Gupta SV. Differences in metabolomics profiles of male db/db and s/s, leptin receptor mutant mice. *Physiol Genomics*. 2012 Mar 19;44(6):374-81.
8. Luo W, **Bodary PF**, Shen Y, Wickenheiser KJ, Ohman MK, Guo C, Bahrou KL, Myers MG Jr, Eitzman DT. Leptin receptor-induced STAT3-independent signaling pathways are protective against atherosclerosis in a murine model of obesity and hyperlipidemia. *Atherosclerosis*. 2011 Jan;214(1):81-5.
9. Khan SK, Malinski T, Mason RP, Kubant R, Jacob RF, Fujioka K, Denstaedt SJ, King TJ, Hieber AD, Lockwood SF, Goodin TH, Pashkow FJ, **Bodary PF**. Novel Astaxanthin Derivative (CDX-085) Attenuates Thrombosis in a Mouse Model. *Thromb Res*. 2010; 126(4):299-305.
10. Russo HM, Wickenheiser KJ, Luo W, Ohman MK, Franchi L, Wright AP, **Bodary PF**, Núñez G, Eitzman DT. P-Selectin Glycoprotein Ligand-1 Regulates Adhesive Properties of the Endothelium and Leukocyte Trafficking Into Adipose Tissue. *Circ Res*. 2010; Aug 6;107(3):388-97.
11. **Bodary PF**, Eitzman DT. Animal models of thrombosis. *Curr Opin Hematol*. 2009; Sep;16(5):342-6.
12. Yang SJ, IglayReger HB, Kadouh HC, **Bodary PF**. Inhibition of monocyte chemoattractant protein-1/chemokine CC motif receptor-2 pathway attenuates hyperglycaemia and inflammation in a mouse model of hepatic steatosis and lipoatrophy. *Diabetologia*. 2009; 52(5):972-81.
13. **Bodary PF**. Invited Review: Links between adipose tissue and thrombosis in the mouse. *Arterioscler Thromb Vasc Biol*. 2007; 27(11): 2284-91.
14. **Bodary PF**, Iglay HB, Eitzman DT. Invited Review: Strategies to Reduce Vascular Risk Associated with Obesity. *Curr Vasc Pharmacol*. 2007; 5(4): 249-58.

15. Brook RD, Bard RL, **Bodary PF**, Eitzman DT, Rajagopalan S, Sun Y, Depaoli AM. Blood pressure and vascular effects of leptin in humans. *Metab Syndr Relat Disord*. 2007 Sep;5(3):270-4.
16. Brook RD, Bard RL, Kehrer C, **Bodary PF**, Eitzman DT, Rajagopalan S. Valsartan Improves Insulin Sensitivity without Altering Vascular Function in Healthy Overweight Adults without the Metabolic Syndrome. *Metab Syndr Relat Disord*. 2007 Sep;5(3):255-61.
17. **Bodary PF**, Shayman JA, and Eitzman DT. Invited review: Alpha-galactosidase A and Vascular Disease. *Trends Cardiovasc Med*. 2007; 17(4):129-33.
18. **Bodary PF**, Homeister JW, Vargas FB, Wickenheiser KJ, Cudney SS, Bahrou KL, Öhman M, Rabbani AB, Eitzman DT. Generation of Soluble P- and E-Selectins In Vivo Is Dependent on Expression of P- Selectin Glycoprotein Ligand-1. *J Thromb Haemost*. 2007; 5(3):599-603.
19. **Bodary PF**, Shen Y, Ohman M, Bahrou KL, Vargas FB, Cudney SS, Wickenheiser KJ, Myers MG Jr, Eitzman DT. Leptin Regulates Neointima Formation After Arterial Injury Through Mechanisms Independent of Blood Pressure and the Leptin Receptor/STAT3 Signaling Pathways Involved in Energy Balance. *Arterioscler Thromb Vasc Biol*. 2007; (1):70-6.
20. Shen Y-C, **Bodary PF**, Vargas FB, Homeister JW, Gordon D, Ostenson KA, Shayman JA, Eitzman, DT. Alpha galactosidase a deficiency leads to increased tissue fibrin deposition and thrombosis in mice homozygous for the factor V leiden mutation. *Stroke*. 2006; 37(4): 1106-8.
21. **Bodary PF**, Eitzman DT. Adiponectin: vascular protection from the fat? *Arterioscler Thromb Vasc Biol*. 2006 Feb;26(2):235-6.
22. **Bodary PF**, Sambaziotis C, Wickenheiser KJ, Rajagopalan S, Pitt B, Eitzman DT. Aldosterone promotes thrombosis formation following arterial injury in mice. *Arterioscler Thromb Vasc Biol*. 2006; 26(1):233.
23. **Bodary PF**, Vargas FB, King SAD, Jongeward KL, Wickenheiser KJ, Eitzman DT. Pioglitazone Protects Against Thrombosis in a Mouse Model of Obesity and Insulin Resistance. *J Thromb Haemost* 2005; 3(10): 2149-53.
24. Davis PG, Ferguson MG, Alderson NL, **Bodary PF**, Durstine JL. Effect of exercise duration on plasma endothelin-1. *J Sports Med Phys Fitness* 2005; 45(3):419-23.
25. **Bodary PF**, Gu S, Shen Y, Hasty AH, Buckler JM, Eitzman DT. Recombinant Leptin Promotes Atherosclerosis and Thrombosis in Apolipoprotein E Deficient Mice. *Arterioscler Thromb Vasc Biol*. 2005; 25: 119-122 .
26. Eitzman DT, Westrick RJ, Shen Y, **Bodary PF**, Gu S, Manning SL, Dobies SL, Ginsburg D. Homozygosity for Factor V Leiden Leads to Enhanced Thrombosis and Atherosclerosis in Mice. *Circulation* 2005 Apr 12;111(14):1822-5.
27. **Bodary PF**, Shen YC, Vargas FB, Bi X, Ostenson KA, Gu S, Shayman JA, Eitzman DT. α -Galactosidase A deficiency accelerates atherosclerosis in mice with apolipoprotein E deficiency. *Circulation* 2005: 111(5):629-32.
28. Brook RD, Bard RL, Glazewski L, **Bodary PF**, Eitzman DT, Kehrer, C, Rajagopalan S. Short-term weight loss improves the metabolic syndrome but not conduit vascular endothelial function in overweight adults. *Am J Cardiol* 2004 Apr 15;93(8):1012-6.
29. **Bodary PF**, Yasuda N, Watson DD, Brown AS, Davis JM, Pate RR. Effects of short-term exercise training on plasminogen activator inhibitor (PAI-1). *Med Sci Sports Exerc*. 2003 Nov; 35(11): 1853-8.
30. Eitzman DT, **Bodary PF**, Shen Y, Khairallah CG, Wild SR, Abe A, Shaffer-Hartman J, Shayman JA. Fabry disease in mice is associated with age-dependent susceptibility to vascular thrombosis. *J Am Soc Nephrol*. 2003 Feb;14(2):298-302.
31. **Bodary, PF**, RJ Westrick, KJ Wickenheiser, Y Shen, DT Eitzman. Effects of the adipocyte-derived hormone, leptin, on arterial thrombosis following vascular injury. *JAMA*, Apr 3;287(13):1706-9, 2002.

32. **Bodary, PF**, KJ Wickenheiser, DT Eitzman. Recent advances in understanding endogenous fibrinolysis: implications for molecular-based treatment of vascular disorders. *Exp. Rev. Mol. Med.* 26 March, 2002. <http://www.expertreviews.org/02004362h.htm>
33. Westrick, RJ, **Bodary PF**, Xu ZJ, Shen Y, Eitzman DT. Deficiency of Tissue Factor Pathway Inhibitor promotes atherosclerosis and thrombosis in mice. *Circulation*, 103(25):3044-6, 2001.
34. **Bodary PF**, Pate RR, Wu QF, McMillan GS. Effects of acute exercise on plasma erythropoietin levels in trained runners. *Med Sci Sports Exerc*, 31(4): 543-546, 1999.
35. Branch, J.D., Pate RR, **Bodary PF**, Convertino VA. Red cell volume and [erythropoietin] responses during exposure to simulated microgravity. *Aviation, Space, and Environmental Medicine*, 69(4): 347-351, 1998.