

Curriculum Vitae

PERSONAL DATA

Name: **Peter F. Bodary, Ph.D.**
E-mail: pfbodary@umich.edu

EDUCATION

Doctor of Philosophy, 2000
University of South Carolina, Columbia, South Carolina
School of Public Health, Department of Exercise Science

Master of Science, 1994
University of Toledo, Toledo, Ohio
Department of Health Promotion and Human Performance

Bachelor of Science, 1992
Grand Valley State University, Allendale, Michigan
Major: Health Science

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 –	current	Assistant Professor	Wayne State University

SCIENTIFIC ACTIVITIES

2001 Ad hoc reviewer of manuscript, *British Journal of Sports Medicine*
2002- Ad hoc reviewer of manuscripts, *Canadian Journal of Applied Physiology*
2002- Ad hoc reviewer of manuscripts, *Circulation*
2003- Ad hoc reviewer of manuscripts, *Journal of Applied Physiology*
2004 Ad hoc reviewer of manuscript, *International Journal of Sports Medicine*
2004 Ad hoc reviewer of manuscript, *Medicine & Science in Sports & Exercise*
2005- Ad hoc reviewer of manuscripts, *Arteriosclerosis, Thrombosis & Vascular Biology*
2006- Ad hoc reviewer of manuscript, *Diabetes*
2007- Ad hoc reviewer of manuscripts, *Diabetes Care*
2007- Ad hoc reviewer of manuscript, *AJP – Endocrinology and Metabolism*
2007- Ad hoc reviewer of manuscript, *Thrombosis and Haemostasis*

GRANT SUPPORT

Past

- 11/2002 – 10/2004 **Co-investigator**, Takeda Pharmaceuticals
Effort: 25%
Title: Effects of pioglitazone on the development of arterial thrombosis in mouse models of insulin resistance and atherosclerosis
Principal Investigator: Daniel T. Eitzman, MD
Direct costs: \$95,997 (total for 2 yrs)
- 4/2003 – 3/2008
(renewal submitted) **Co-investigator**, NIH / NHLBI, R01-HL073150-01
Title: Leptin in Vascular Disease
Principal Investigator: Daniel T. Eitzman, MD
Direct costs: \$250,000 / yr

Current

- 7/1/2005 -6/2008 **Principal Investigator**, American Diabetes Association, 7-05-JF-04
Title: Role of leptin receptor signaling pathways on arterial thrombosis and atherogenesis
Principal Investigator: Peter F. Bodary, Ph.D.
Direct costs: \$120,000 / year
- Sub-award: **Faculty Mentor**, American Diabetes Association.
Undergraduate Minority Internship Award
Principal Investigator: Peter F. Bodary, Ph.D.
Direct costs: \$3,000
- 1/2005 – 12/2009 **Co-investigator**, NIH / NIDDK, RO1- DK55823
Title: The Pharmacologic Treatment of Fabry Disease
Principal Investigator: James A. Shayman, MD
Direct costs: \$250,000 / yr

AWARDS

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.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Diabetes Association, (2004-current)
American Heart Association, Nutrition, Metabolism, and Physical Activity Council (2001-current)
American Heart Association, Arteriosclerosis, Thrombosis, and Vascular Biology Council Member (1998-current)
American College of Sports Medicine (ACSM), Member (1994-2001)

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
2002/2003 – Mentored 3 undergraduates in the Undergraduate Research Opportunity Program.
2003/2004 – Mentored 3 undergraduates in the Undergraduate Research Opportunity Program
Fall 2004 – Instructor of 3 credit course: MVS 471: Physical Activity, Health and Disease
2004/2005 – Mentored 2 undergraduates in Undergraduate Research Opportunity Program
2005/2006 – Mentored 2 undergraduate in the Undergraduate Research Opportunity Program
2006/2008 – Mentored 1 graduate student and 3 undergraduate Honor's theses
Fall 2007 -- Taught graduate course: Nutritional Epidemiology (NFS 7240)
2008 -- Taught undergraduate course: Human Nutrition (NFS 2210)

EXTRAMURAL INVITED PRESENTATIONS

"Examining the role of adipocyte-derived proteins in cardiovascular physiology using in vivo mouse models -- studies of exercise, obesity and lipodystrophy." Virginia Polytechnic Institute and State University: Department of Human Nutrition, Foods, and Exercise. March, 2008.

"Adipose Tissue and Arterial Thrombosis: Studies of Obese and Lipodystrophy Mice." Cardiovascular Research Center Seminar Series, University of Kentucky, Lexington. March, 2008.

"Examining potential links between adiposity and arterial thrombosis using mouse models." Invited speaker at Pathology Grand Rounds, University of North Carolina School of Medicine, Chapel Hill, December 2007.

"The role of adipose tissue in cardiovascular health and disease: the two faces of adipose tissue." Presented at Wayne State University, Department of Nutrition and Food Sciences. Detroit, MI. September, 2005.

"Potential links between adipose tissue and cardiovascular disease." Invited speaker to Vanderbilt University Department of Molecular Physiology and Biophysics. Nashville, TN. May, 2005.

"Mechanisms linking obesity and cardiovascular disease: is fat where it's at?" Presented at the University of South Carolina, School of Public Health, Department of Exercise Science, September, 2004.

PRESENTATIONS

"The role of adipose tissue in cardiovascular health and disease." Presented at Endocrinology Grand Rounds, Wayne State University Medical School, February 2007.

"Tumor Necrosis Factor-Alpha Regulates Adipose Tissue Macrophage Recruitment and CCR2 Expression." Presented at Scientific Sessions of the American Heart Association, Chicago, IL, November 2006.

"Leptin in vascular disease." Presented at the *Obesity / Cardiovascular Disease* grantees' meeting sponsored by NIH: NIDDK/NHLBI. Bethesda, MD, June 2006.

"The role of 'rolls' in cardiovascular health and disease: the two faces of adipose tissue." Presented at the Metabolism Endocrinology (MEND) Research Seminar, University of Michigan, September 2005.

"Links Between Adipose Tissue and Cardiovascular Disease." Presented at the Cardiovascular Research Center Seminar, University of Michigan, February 2005.

"Pioglitazone Treatment Protects against Arterial Thrombosis through Leptin-Dependent Pathway." Presented at the Arteriosclerosis, Thrombosis, and Vascular Biology Meeting, San Francisco CA, May 2004.

"Vitronectin deficiency is associated with endothelial activation and accelerated atherosclerosis." Presented at the American Heart Association Scientific Sessions, Orlando FL., November 2003.

"Platelet leptin receptor deficiency leads to reduced spontaneous platelet activation and protection from thrombosis following vascular injury." Presented at the American Heart Association Scientific Sessions, Orlando FL., November 2003.

"The adipocyte-derived hormone, leptin, promotes arterial thrombosis in mice following vascular injury." Presented at the American Society of Hematology National Meeting, Orlando, Florida, December 2001.

"The acute effects of rehabilitative exercise on hemostatic measures in peripheral arterial disease patients." Presented at the Second Annual Conference of Atherosclerosis, Thrombosis, and Vascular Biology, Alexandria, VA, May 2001.

"Deficiency of Tissue Factor Pathway Inhibitor promotes atherosclerosis and thrombosis in mice." Presented at the Internal Medicine Research Day, University of Michigan, April 2001.

"Effects of Exercise on PAI-1 in Sedentary Adults." Presented at the First Annual Conference of Atherosclerosis, Thrombosis, and Vascular Biology, Denver, CO, 2000.

"Fibrinolytic response in normal individuals and in clinically silent vasculopathies." Presented at the International Hemostasis and Thrombosis Meeting, Lima, Peru, 1999.

"Effects of short-term exercise on plasminogen activator inhibitor, type-1, (PAI-1) in sedentary adults." Presented at the LifeFitness Academy Awards Banquet, Seattle, WA, 1999.

"Acute exercise does not enhance fibrinolytic activity in rats." Presented at the American College of Sports Medicine annual meeting, Orlando, FL, 1998.

"The effect of exercise intensity on erythropoietin levels following acute exercise in trained runners." Presentation at the American College of Sports Medicine annual meeting, Denver, CO, 1996.

BIBLIOGRAPHY

Peer-Reviewed Publications

Bodary PF. Invited Review: *Links between adipose tissue and thrombosis in the mouse.* Arterioscler Thromb Vasc Biol. 2007; 27(11): 2284-91.

Bodary PF, Iglay HB, Eitzman DT. Invited Review: *Strategies to Reduce Vascular Risk Associated with Obesity.* Curr Vasc Pharmacol. 2007; 5(4): 249-58.

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.

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.

Bodary PF, Shayman JA, and Eitzman DT. Invited review: *Alpha-galactosidase A and Vascular Disease.* Trends Cardiovasc Med. 2007; 17(4):129-33.

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.

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.

Shen Y-C, **Bodary PF,** Vargas FB, Homeister JW, Gordon D, Ostensio 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.

Bodary PF, Eitzman DT. *Adiponectin: vascular protection from the fat?* Arterioscler Thromb Vasc Biol. 2006 Feb;26(2):235-6.

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.

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.

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.

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 .

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.

Bodary PF, Shen YC, Vargas FB, Bi X, Osteonso 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.

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.

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.

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.

Bodary, PF, R. J. Westrick, K.J. Wickenheiser, Y. Shen, D.T. Eitzman. *Effects of the adipocyte-derived hormone, leptin, on arterial thrombosis following vascular injury*. JAMA, Apr 3;287(13):1706-9, 2002.

Bodary, PF, K.J. Wickenheiser, D.T. 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>

Westrick, R.J., **Bodary PF**, Xu Z.J., Shen Y., Eitzman DT. *Deficiency of Tissue Factor Pathway Inhibitor promotes atherosclerosis and thrombosis in mice*. Circulation, 103(25):3044-6, 2001.

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.

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.

Book Chapter

Bodary P.F., Eitzman D.T. *Vascular Biology and Atherosclerosis; "Classic Papers in Percutaneous Coronary Angioplasty"*. 2006.

Updated on May 1st, 2008