PETER F. BODARY, PH.D.

Curriculum Vitae
February 2023

Clinical Associate Professor
Movement Science & Applied Exercise Science
School of Kinesiology
University of Michigan

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EDUCATION

PhD	Exercise Science, 2000 University of South Carolina; School of Public Health
M.S.	Health Promotion and Human Performance, 1994 University of Toledo, Toledo, OH
B.S.	Health Science, 1992 Grand Valley State University, Allendale, MI

ACADEMIC POSITIONS

September 2022-Present	**Clinical Associate Professor,** Movement Science & Applied Exercise Science, School of Kinesiology, University of Michigan
July 2022 – Present	**Associate Dean**, Undergraduate Education, School of Kinesiology, University of Michigan
September 2019- Present	**Director,** Innovative Teaching and Learning, School of Kinesiology, University of Michigan
September 2013-2022	**Clinical Assistant Professor,** Movement Science & Applied Exercise Science, School of Kinesiology, University of Michigan
July 2008- August 2013	**Assistant Professor**, Movement Science, School of Kinesiology, University of Michigan
August 2006- June 2008	**Assistant Professor**, Nutrition and Food Science, College of Liberal Arts and Sciences, Wayne State University
May 2002 – Aug. 2006	**Research Investigator**, Cardiovascular Medicine, University of Michigan Medical School

January 2002-May 2002	**Assistant Professor**, Kinesiology Department, School of Health and Human Services, University of Toledo
Sept. 2000 – Jan. 2002	**Post-doctoral Research Fellow**, Cardiovascular Medicine, University of Michigan Medical School
Aug 1999 – May 2000	**Lecturer**, Exercise Science, School of Public Health, University of South Carolina

HONORS AND AWARDS

2022 Kinesiology Students' Excellence in Teaching Award, University of Michigan
2020 Kinesiology Students' Excellence in Teaching Award, University of Michigan
2018 Kinesiology Students' Excellence in Teaching Award, University of Michigan
2017 Kinesiology Students' Excellence in Teaching Award, University of Michigan
2009 Kinesiology Students' Excellence in Teaching Award, University of Michigan
2005 Junior Faculty Research Award, American Diabetes Association
2004 Young Investigator Prize for Thrombosis, American Heart Association
2002 Internal Medicine Research Day Award, University of Michigan Medical School
2001 Internal Medicine Research Day Award, University of Michigan Medical School
1999 Doctoral Student Summer Dissertation Fellowship, University of South Carolina.
1998 Student Travel Award, University of South Carolina Graduate School
1998 Research Award, American College of Sports Medicine

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Diabetes Association, (2004-2012)
American Heart Association, Nutrition, Metabolism, and Physical Activity Council (2001-2013)
American Heart Association, Arteriosclerosis, Thrombosis, and Vascular Biology Council Member (1998-2013)
American College of Sports Medicine (ACSM), Member (1994-2001, 2008-Current)

TEACHING ACTIVITIES

Full Courses

University of Michigan, School of Kinesiology (In chronological order)

1. Physical Activity, Health and Disease (MOVESCI 471)
   Taught: F04 (while employed as Research Investigator at UM Medical School)
2. Exercise Physiology (MOVESCI 340)
   Taught: F08, F09, F10, F11, F12, F13, F14, F15, F16, W17, F17, F18, W19, F19
3. Statistics and Research Design (MOVESCI 250)

Taught: W10, W12, W18

4. Applied Exercise Physiology (AES 242; formerly HF 242 and PE313)
   Taught: W12, W13, W18, W19, F19, F20, F21
5. Cardiovascular Exercise Physiology (MOVESCI 448)
   Taught: W13, F17, F18
6. Exercise Physiology Laboratory (MOVESCI 340 Lab)
   Taught: F13, F14, F15, F16, W17
7. Biological and Behavioral Basis for Human Movement (MOVESCI 110)
   Taught: W14, F14, W15, F15, F16, F19, W20, F20, W21, F21, W22, F22, W23
8. Nutrition, Exercise and Weight Control (MOVESCI 241)
   Taught: W14, W15, S15, F15, W16, F16, W17, F17, W18, S18, F18, W19, F19, W20, F20, W21, F21, W22, F22, W23
9. Systems Physiology Lecture (AT/HF 220; Now AES 220)
   Taught: W14, W15, W16, W19, W20, W21
10. Physical Activity and Nutrition Graduate Course (co-instructor; KINES 513 / NUTR 651)
    Taught: W16, W17, W18, W19, W20
11. Graduate Exercise Physiology (KINES 540)
    Taught: F16
12. Scientific Inquiry Using Wearable Technology (MOVESCI 452)
    Taught: W16, W17, F17, W18, F18, F19, W20, F20, W21, W22, F22
13. Technology in Health and Fitness (HF 251)
    Taught: W18
14. First Year Seminar (KINSTUDY 100; formerly MOVESCI 100)
    Taught: F21, F22

Summary of courses since 2013:

Full courses (3 credits): 78 courses; more than 6,900 students
Co-instructed courses: 17 courses; 1,372 students
MVS 340 lab sections: 7 sections; 76 students

Wayne State University, Department of Nutrition and Food Science

2008 Undergraduate Course: Human Nutrition (NFS 2210)
2007 Graduate Course: Nutritional Epidemiology (NFS 7240)

University of Toledo, Department of Kinesiology, College of Health and Human Services

2002 Graduate Exercise Physiology Course

University of South Carolina, Department of Exercise Science, School of Public Health

1999 Undergraduate Physiology Course
1998 Graduate Exercise Biochemistry Laboratory Course
1995 Graduate Exercise Physiology Laboratory Course

POST-DOCTORAL FELLOWS, GRADUATE, and UNDERGRADUATE STUDENT MENTORSHIP

Post-Doctoral Fellows

University of Michigan

2019-2020 Sigrid Olthof, Ph.D. (Post-doctoral Fellow through UM/ESSI)

2007-2009 Soo Jin Yan, Ph.D. (Transitioned with the laboratory from Wayne State University)

2006-2009 Heidi IglayReger, Ph.D. (Transitioned with the laboratory from Wayne State University)

PhD Students (Dissertation Co-Chair with Dr. Jeff Horowitz)

2017 Justin Kang, *Profound Endothelial Dysfunction and Inflammation in Fabry Disease: Responses to Exercise Training.*

2015 Xioaya Ma, *Systemic iron regulation and adipose tissue inflammation in health and disease.*

Undergraduate Honors Students / Thesis

2013 Kaitlyn Patterson (Movement Science), *Iron Regulation in the Context of Exercise and Performance*

2012 Daniel Warren (Molecular Cellular and Developmental Biology), *Eavesdropping on a Dialogue between Hepatocytes and Monocytes: Exploring Cell-to-Cell Signals with a Model of Non-Alcoholic Fatty Liver Disease in the Setting of Elevated Free Fatty Acids*

2012 Joshua Andrew Johnson (Molecular Cellular and Developmental Biology), *Intersection of Sex Hormone Signaling with Leptin Receptor Signaling and Diet-Induced or Polygenic Obesity*

Undergraduate Students (Since 2013)

University of Michigan

2022- 2023 Alston Smith, Undergraduate Research Opportunity Program, Research Assistant

2021 - 2023 Grace Cole, Undergraduate Research Opportunity Program, Research Assistant

2021- 2022 Evan Bellaire, Undergraduate Research Opportunity Program, Research Assistant

2021 – 2022 Ting-Sung Cheng, Undergraduate Research Opportunity Program, Research Assistant

2021 (winter)	Olivia Chugh, Undergraduate Research Opportunity Program, Research Assistant
2020 – 2021	Andrew Phillips, Undergraduate Research Opportunity Program, Research Assistant
2020 – 2021	Regan Lee, Undergraduate Research Opportunity Program, Research Assistant
2018 – 2020	Cassidy Williford, Undergraduate Research Opportunity Program, Research Assistant
2018 – 2019	Noah Sadowski, Undergraduate Research Opportunity Program, Research Assistant
2018 – 2019	Sarah Montanez, Undergraduate Research Opportunity Program, Research Assistant
2017 - 2019	Erika Yasuda, Undergraduate Research Opportunity Program, Research Assistant
2017 - 2020	Rose-Carmel Goddard, Undergraduate Research Opportunity Program, Research Assistant
2016 - 2017	Sydney Lovins, Undergraduate Research Opportunity Program, Research Assistant
2015 - 2016	Kateri Rybicki, Undergraduate Research Opportunity Program, Research Assistant
2015 - 2016	Emma Pahl, Undergraduate Research Opportunity Program, Research Assistant
2015 - 2016	Callie Belanger, Undergraduate Research Opportunity Program, Research Assistant
2013 - 2014	D'Kari Wilson, Undergraduate Research Opportunity Program, Research Assistant
2013 - 2014	Sophia Baur-Waisbord, Undergraduate Research Opportunity Program, Research Assistant
2013 - 2014	Kayla Hanses, Undergraduate Research Opportunity Program, Research Assistant

PROFESSIONAL SERVICE & ADMINISTRATION

National Service

2021-Present	American Kinesiology Association Awards Committee, Member

Regional Service

2018, 2019	Midwest ACSM Conference Poster Judging, Judge

University of Michigan: University Service

2019-Present	Liaison for Inclusive Learning for UM Office of Diversity, Equity and Inclusion (ODEI)
2020-2022	Inclusive Pedagogy Committee (Subcommittee of the Inclusive Campus Collaborative, School of Literature Science and the Arts), Member
2020-2022	Steering Committee for Inclusive Campus Collaborative, Member
2016-2022	XR (Extended reality) committee in School of Information, Kinesiology Representative
2019	Exercise Sports Science Initiative; Sports Analyst Job Search Committee, Member
2018-2019	Interprofessional Education (IPE), Fellow
2012-2020	Undergraduate Research Opportunity Program, Faculty Perspective Guest

2017-2018	Exercise and Sport Science Initiative, Summer Camp, Faculty Contributor
2017	UM Augmented and Virtual Reality Faculty Steering Committee, Kinesiology Representative
2016	University-Wide Commencement, Faculty Marshal for Kinesiology
2015	UROP Associate Director Search Committee, Member
2013-2015	UM Athletics; Sports Performance Center Design Committee, Board Member
2012-2014	Grant Reviewer for the Cardiovascular Center Research (McKay) Grant Competition
2013	UROP Summer Biomedical Fellowship Review Committee, Member

University of Michigan: School of Kinesiology Service

2022	Search Committee for Tenured Faculty Member position, Member
2021	Search Committee for Clinical Faculty Member Position, Chair
2020	Search Committee for Clinical Faculty Member Position, Member
2020	Special Covid-semester Grant Funding Committee, Member
2020-Present	MAES (Special Enrollment Program) Planning Committee, Member
2020-2021	Clinical Track Promotion Guidelines Committee, Member
2019	Laboratory Coordinator Job Position Committee, Member
2019-Present	Curriculum and Instruction Committee, Member
2018 & 2019	Kinesiology Scholarship Committee, Member
2016	Canvas Ambassador for School of Kinesiology
2016	Teaching and Classrooms Committee, Kraus Design Working Group, Member
2015-Present	Physical Activity and Nutrition Graduate Certificate, Director
2015-2020	Health Science Safety Committee, Kinesiology Faculty Representative
2015	Faculty Advisor for Kinesiology Student Group: Michigan Health Aid
2010-Present	Frequent Campus Day Presenter for AES / MVS
2010-Present	Student Recruitment Events, Faculty Speaker

Ad-hoc Reviewer

American Journal of Physiology – Endocrinology and Metabolism
American Journal of Physiology – Regulatory, Integrative and Comparative Physiology
Arteriosclerosis, Thrombosis & Vascular Biology
British Journal of Sports Medicine
Canadian Journal of Applied Physiology
Chronobiology International
Circulation
Diabetes
Diabetes Care
Diabetes Research and Clinical Practice

Hypertension
International Journal of Sports Medicine
JAHA (Journal of the American Heart Association)
Journal of Applied Physiology
Journal of Clinical Endocrinology & Metabolism
Journal of the American College of Cardiology
Medicine & Science in Sports & Exercise
Physiologic Genomics
Thrombosis and Haemostasis
Thrombosis Journal

RESEARCH PUBLICATIONS

Peer-Reviewed Journal Articles

1. Gross MM, Marquardt K, Hasson RE, Vesia M, King AR, Bodary PF. Designing for Cross-Cutting Skill Development and Diversity, Equity, and Inclusion in a Foundational Kinesiology Course. Kinesiology Review. 2022 11(4): 343-352. DOI: https://doi.org/10.1123/kr.2022-0021
2. Kang JJ, Treadwell TA, Bodary PF, Shayman JA. Voluntary wheel running activates Akt/AMPK/eNOS signaling cascades without improving profound endothelial dysfunction in mice deficient in α-galactosidase A. PLoS One. 2019 May 23;14(5):e0217214. doi: 10.1371/journal.pone.0217214.
3. Kang JJ, Kaissarian NM, Desch KC, Kelly RJ, Shu L, Bodary PF, Shayman JA. α-galactosidase A deficiency promotes von Willebrand factor secretion in models of Fabry disease. Kidney Int. 2019 Jan;95(1):149-159. doi: 10.1016/j.kint.2018.08.033.
4. Bodary PF, Gross MM. Innovative teaching and learning strategies in Kinesiology. Kinesiology Review. 2018 7(4): 321-327. https://doi.org/10.1123/kr.2018-0037
5. Ma X, Pham VT, Mori H, MacDougald OA, Shah YM, Bodary PF*. Iron elevation and adipose tissue remodeling in the epididymal depot of a mouse model of polygenic obesity. PLoS One. 2017 Jun 26;12(6):e0179889. doi: 10.1371/journal.pone.0179889. * corresponding author
6. 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.
7. 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.
8. 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).

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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) Attentuates Thrombosis in a Mouse Model. Thromb Res. 2010; 126(4):299-305.

15. 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.

16. Bodary PF, Eitzman DT. Animal models of thrombosis. Curr Opin Hematol. 2009; Sep;16(5):342-6.

17. 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.

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

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

20. 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.

21. 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.

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

23. 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.

24. 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.

25. Shen Y-C, Bodary PF, Vargas FB, Homeister JW, Gordon D, Ostenso 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.

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

27. 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.

28. 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.

29. 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.

30. 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 .

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.
36. 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.
37. 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
38. 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.
39. 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.
40. 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" in 2006.

PRESENTATIONS

Extramural Invited Presentations

Bodary, P. and Gross, M. (2018, January): “Helping Faculty Improve Teaching: Innovative Models of Instruction.” American Kinesiology Association Leadership Workshop, AKA, Denver, CO.

Bodary, P. (2018, April): “Using Gamified and Project-based Learning Strategies to Engage Students in Kinesiology.” University of Tennessee, Knoxville. Department of Kinesiology, Recreation, and Sport Studies, Knoxville, TN.

Bodary, P. (2014, March): "Is hepcidin responsible for exercise-induced iron deficiency anemia?" Hope College, Kinesiology Department, Holland, MI.

Bodary, P. (2012, November): “Iron regulation in collegiate female distance runners.” Beijing Sport University, Sport Science College. Beijing, China.

Bodary, P. (2012, November): “Obesity and Arteriosclerosis”. Guangzhou Medical College, Cardiology Department. Guangzhou, China.

Bodary, P. (2011, February): “Exploring the links between adipose tissue and vascular disease.” University of Memphis Biological Sciences Seminar. Department of Biological Sciences. Memphis, TN.

Bodary, P. (2010, December): “Adipose and hepatic inflammation: mouse models of vascular disease complications.” University of Windsor (Ontario, Canada): Department of Chemistry and Biochemistry. December 2010.

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

Bodary, P. (2008, March): “Adipose Tissue and Arterial Thrombosis: Studies of Obese and Lipodystrophy Mice” Cardiovascular Research Center Seminar Series, University of Kentucky, Lexington.

Bodary, P. (2007, December): “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.

Bodary, P. (2007, February): “The role of adipose tissue in cardiovascular health and disease”. Invited speaker for Endocrinology Grand Rounds at Wayne State University.

Bodary, P. (2005, September): “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.

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

Bodary, P. (2005, February): “The role of adipose tissue in cardiovascular health and disease”. Invited speaker to Cardiovascular Medicine at the University of Missouri, Columbia.

Bodary, P. (2004, September): “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.

Oral Presentations / Education-based

PF Bodary, MM Gross, M Vesia, RE Hasson, *Providing daily teamwork in an introductory course to support the development of student community and to deliver authentic learning experiences*, AKA Pre-Workshop Session, American Kinesiology Association Leadership Workshop, San Diego, CA. 1/26/2023

PF Bodary, T Braun, J Handelsman, AN Thompson, *Team MOVE: Educating students on the association between movement and chronic disease: A proof of concept module for IPE*, UM Health Professionals Education Day, Center for IPE, 2019.

PF Bodary and Sophie Wittenberg, *Using gameful learning strategies to enhance student engagement: From campus-wide electives to required / "gatekeeper" courses*, Enriching Scholarship, Center for Academic Innovation, Ann Arbor, MI, 5/7/2019.

Bodary, PF, *Using a Gameful Learning Strategy to Maximize Student Engagement and Motivation in a Campus-Wide Elective Kinesiology Course*, Midwest ACSM Regional Meeting, ACSM (Midwest Region), Grand Rapids, MI, 11/9/2018.

Bodary PF, *Using a Gamified Strategy in a Large Cross-Campus Elective Course*, Michigan Canvas Users Conference, Macomb Community College, Macomb, MI, 3/16/2018.

Bodary PF and M. Melissa Gross, *Using a Gameful Strategy in Large Kinesiology Courses*, Gameful Learning Summer Institute, UM Academic Innovation, Ann Arbor, MI, 7/24/2018.

Bodary PF, *Gradecraft: Challenges Chosen and Lessons Learned.* UM / Kinesiology: Teaching and Learning in Kinesiology (TALK) Seminar, Guest Speaker, 2016

Oral Presentations at Scientific Meetings

Sigrid Olthof, Baylee Stoneman, PF Bodary, Alex Wong, Ron Zernicke. *The effect of playing home or away on game demands in NCAA Division-I male basketball players.* Presented at the European College of Sport Science meeting in Seville, Spain. 10/28/2020.

Alex Montoye, Sigrid Olthof, PF Bodary, *Sport-specific and wearable technology to enhance training, recovery and sport performance*, Midwest ACSM Regional Meeting, American College of Sports Medicine, Oak Brook, Illinois, 11/9/2019.

Bodary PF, *"Microarray Analysis of Hepatic Gene Expression Reveals Increased Avpr1a Following Voluntary Wheel Activity in a Polygenic Mouse Model of Insulin Resistance"* Presented at the American Diabetes Association Meeting, Orlando FL, June 2010.

Bodary PF, *"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.

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

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

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

Bodary PF, *"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.

Bodary PF, *"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.

Bodary PF, *"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, Virginia, May, 2001.

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

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

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

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

Bodary PF, *"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, Colorado, 1996.

Other Seminars / University of Michigan

Bodary PF, *"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.

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

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

Community Presentations:

Running physiology from cells to metabolism; Guest lecturer at the McMillan Coaching Clinic, Flagstaff, AZ July 23-26th, 2015

"Enhancing the Effectiveness of Exercise: Why improving our health doesn't require hours in the gym" Liberty Athletic Club, Ann Arbor, MI 2/21/2015

Faculty Guest Speaker at Camp Michigania, during Week 2, June 2014, Walloon Lake, MI.

Faculty Guest Speaker at Camp Michigania during Week 6 in July, 2013, Walloon Lake, MI.

Sport Nutrition Seminar for Belleville HS Varsity Swim Team, 7/31/13. Presented with UM Kinesiology graduate and UM Varsity Swimmer, Elizabeth (Liz) Johnson.

Faculty Speaker at Camp Michigania East, Brant Lake, NY. August 2012
'Myths, Facts and remaining mysteries about obesity and cardiovascular disease" 8/19/12
"How do we approach our health care problems regarding inactivity and obesity?" 8/21/12

Media Interview/Requests

2015 US News & World Report, June 2015 (via UM / Laura Bailey)
http://health.usnews.com/health-news/health-wellness/articles/2015/08/27/dont-let-the-scale-hijack-your-exercise-plans

RESEARCH FUNDING

Currently Funded Study

Co-Investigator, Ideas Lab Project Funding, "You-M: Personalizing Student Performance at the University of Michigan"
BICC (UM Internal) Funding; Feb 2021- Feb 2023; Kozloff, PI
$779,349 (13% effort / Bodary)

This project, funded by the Biosciences Initiative Coordinating Committee, is a research and educational project with the goal to provide actionable feedback to students to help them improve their performance as they make the transition to living and learning at the university. The project aims to integrate a diverse set of data including student reported outcomes regarding academics, physical activity, and mental health and wellness domains along with biometrics, sleep quality, and genomic information, to help students acquire a better, more holistic understanding of how their minds, bodies and behaviors interact.

Recently Completed Funding

Principal Investigator, *Use of Echo360 Platform to Enhance Student Engagement and Learning in Elective and Required Courses of Exercise Physiology*
Direct Sponsor: Echo360, Inc.; 5/2019 – 4/2020
Direct costs: $3000

Project Lead, *Development of Engaging Evidence-Based Practice Educational Videos for Use Across Diverse Professions and Educational Backgrounds*
Interprofessional Leadership Fellows Seed Funding; 3/2019-5/2020
Sponsor: Michigan Center for IPE / CRLT (Internal to UM)
Seed Funding: $5000

Completed Extramurally Funded Grants

Collaborator, R01, *The pharmacologic treatment of fabry disease*
NIH/NIDDK; 1/1/2010 – 12/31/2014; Shayman (PI)
Collaborator Subcontract to Kinesiology: $110,898 over 4 years

Collaborator, R01, *Leptin in vascular disease*
NIH/NHLBI; 8/1/2009 – 7/31/2013; Eitzman (PI)
Collaborator Subcontract to Kinesiology: $140,074 over 5 years

Principal Investigator, *Preclinical Testing of the Antithrombotic Effect of XanCor in Combination with Traditional Anti-platelet Therapies*
Sponsor: Cardax Pharmaceuticals; 10/2008 – 3/2009
Total Directs: $51,750

Principal Investigator, *Role of leptin receptor signaling pathways on arterial thrombosis and atherogenesis*
American Diabetes Association, 7/1/2005 -6/2008
Total Directs: $120,000 / year

Co-investigator, *Effects of pioglitazone on the development of arterial thrombosis in mouse models of insulin resistance and atherosclerosis*
Sponsor: Takeda Pharmaceuticals; 11/2002 – 10/2004, Eitzman (PI)
Direct costs: $95,997