

CURRICULUM VITAE

Stacey Dineen Rodenbeck, Ph.D.
Associate Professor of Biology

EMPLOYMENT

2016 - Present Harding University
Associate Professor of Biology
Searcy, AR

EDUCATION

2012 B.S. Biology
Indiana University Southeast
School of Natural Sciences
New Albany, IN

2016 Ph.D. Physiology; Minor: Cardiovascular Science
Indiana University School of Medicine
Department of Cellular & Integrative Physiology
Indianapolis, IN
Mentor: Michael Sturek, Ph.D.
Dissertation title: Vascular Disease in Metabolic Syndrome: A Role for the
Sarcoplasmic Reticulum Ca²⁺ ATPase.

Grant Support

AHA 15PRE25280001: Midwest Affiliate Winter 2015 Predoctoral Fellowship, American Heart Association; 2015-2016.

AWARDS/APPOINTMENTS

2024 Harding University Emerging Leaders Program
2024 Harding University Teacher Achievement Award
2024 Harding University Innovation Scholars
2016 Society for Experimental Biology and Medicine Young Investigator Award
2014 Moenkhaus Physiology Graduate Fellowship for Academic Excellence, IUSM; Department of Cellular & Integrative Physiology
2014 Indiana Physiological Society Presentation Award
2012 Indiana University School of Medicine Graduate Division University Fellowship
2011 Outstanding Student of the Year in Biology, IU Southeast; School of Natural Sciences

SERVICE

- Spring 2018-Present: Member; Biochemistry and Molecular Biology Curriculum Review Committee; Harding University
- Spring 2018-Present: Member; Health Science Committee; Harding University
- Fall 2018-Present: Member; Anatomy & Physiology II Curriculum Review Committee; Harding University
- Spring 2018-Present: Coordinator, Biology Senior Seminar Capstone; Harding University
- Spring 2022-Present: Assessment Leader, Biology Department; Harding University
- Spring 2024-Present: Member; Trustee Selection Committee

Mentoring

- 2014-2015: Various medical and graduate students performing lab rotations
- Spring 2017-Present: One-on-one senior seminar capstone advising
 - Fall 2017: Rebecca Koopman
 - Spring 2018: Ethan Compton
 - Spring 2018: Kaleigh Ramey
 - Fall 2018: Tori Cannefax
 - Fall 2018: Rachel Greer
 - Spring 2019: Arianna Nuhung
 - Spring 2019: Kennedy Vance
 - Spring 2020: Will Crews
 - Spring 2020: Hailey Holt
 - Spring 2020: Sarah Robbins
 - Fall 2020: Mylea Harlan
 - Spring 2021: Jordan Hornsby
 - Spring 2021: Parker Pruitt
 - Fall 2021: Emily Kymes
 - Spring 2022: Dylin Gay
 - Spring 2022: Sawyer Longley
 - Spring 2022: Hannah Smith
 - Spring 2022: Dakota Ungerbuehler
 - Spring 2023: Mason Adams
 - Spring 2023: Libby Hinton
 - Spring 2023: Clayton Jones
 - Spring 2024: Alyssa Couey
 - Spring 2024: Caleb Hooton
 - Spring 2024: Madison Luallen
 - Fall 2024: Rory Geer
 - Fall 2024: Jada Parker
- Spring 2017-Present: Academic advising

TEACHING

- Spring 2017-Spring 2018: Anatomy & Physiology I, Harding University
- Fall 2016-Fall 2018; Fall 2020-Present: Anatomy & Physiology II, Harding University
- Spring 2018-Present: Coordination of Senior Seminar Capstone, Harding University
- Summer 2018-Present: Cell Biology, Harding University
- Spring 2019-Spring 2022: Molecular and Cellular Biology, Harding University
- Fall 2019, Fall 2022: Developmental Biology, Harding University
- Spring 2024-Present: A Christian View of Science and Scripture, Harding University

PROFESSIONAL ORGANIZATIONS

Alpha Chi Honor Society, 2011-present
National Society of Leadership and Success, 2011-present
Indiana Physiological Society, 2013-2016
American Physiological Society, 2013-2016
Society for Experimental Biology and Medicine, 2013-2016

PUBLICATIONS

Manuscripts (listed in chronological order)

- 1) Yoder SM, **Dineen SL**, Wang Z, Thurmond DC. Yes, a Src Family Kinase, is a proximal glucose-specific activator of cell division cycle control protein 42 (Cdc42) in pancreatic islet β cells. *Journal of Biological Chemistry* 286(16):11476-87. 2014.
- 2) **Dineen SL**, McKenney ML, Bell LN, Fullenkamp AM, Schultz KA, Alloosh M, Chalasani N, Sturek M. Metabolic syndrome abolishes glucagon-like peptide-1 receptor agonist stimulation of SERCA in coronary smooth muscle. *Diabetes* 64(9):3321-27. 2015.
Highlighted with full commentary: Davies MG, New Insights on the Role of SERCA During Vessel Remodeling in Metabolic Syndrome. *Diabetes* 64(9):3066-68. 2015.
- 3) **Rodenbeck SD***, McKenney-Drake ML*, Owen MK, Schultz KA, Alloosh M, Tune JD, Sturek M. Biphasic alterations in coronary smooth muscle Ca^{2+} regulation in a repeat cross-sectional study of coronary artery disease severity in metabolic syndrome, *Atherosclerosis* 249:1-9. 2016. *These authors contributed equally

- 4) **Rodenbeck SD***, McKenney-Drake ML*, Owen MK, Schultz KA, Alloosh M, Tune JD, Sturek M. Repeat cross-sectional data on the progression of the metabolic syndrome in Ossabaw miniature swine, *Data in Brief* 7:1393-1395. 2016. *These authors contributed equally
- 5) **Dineen SL**, Neeb ZP, Obukhov AG, and Sturek M. Transient receptor potential channels in metabolic syndrome-induced coronary artery disease. *Vascular Ion Channels in Physiology and Disease*. I. Levitan and A.M. Dopico (Eds). New York, NY: Springer, 2016.

Rodenbeck SD*, Zarse CA*, McKenney-Drake ML, Bruning RS, Sturek M, Chen NX, Moe SM. Intracellular calcium increases in vascular smooth muscle cells with progression of CKD in a rat model, *Nephrology Dialysis Transplantation* 32(3): 450-458. 2017. *These authors contributed equally
- 6) **Rodenbeck SD***, McKenney-Drake ML*, Bruning RS, Kole A, Yancey KW, Alloosh M, Sacks H, Sturek M. Epicardial adipose tissue removal potentiates outward remodeling and arrests coronary atherogenesis. *Annals of Thoracic Surgery* 103(5): 1622-1630. 2017. *These authors contributed equally
- 7) Badin JK, Eggenberger C, **Rodenbeck SD**, Hashmi ZA, Wang I-W, Garcia JP, Alloosh M, Sturek M. Intracellular Ca²⁺ dysregulation in coronary smooth muscle is similar in coronary disease of humans and Ossabaw miniature swine. *Journal of Cardiovascular Translational Research* 15(1): 167-178. 2022.
- 8) Badin JK, **Rodenbeck SD**, McKenney-Drake ML, Sturek M. Multiphasic changes in smooth muscle Ca²⁺ transporters during the progression of coronary atherosclerosis. *Ion Transport and Membrane Interactions in Vascular Health and Disease*. M. Sturek (Ed). Cambridge, MA: Academic Press, 2022.

Published Abstracts (listed in chronological order)

- 1) **Dineen SL**, McKenney ML, and Sturek M. An *in vitro* model of coronary artery disease and the changes in intracellular calcium regulation during its progression. *FASEB J* 27:1b652. 2013.
- 2) **Dineen SL**, McKenney ML, and Sturek M. Glucagon-like peptide-1 (GLP-1) receptor agonist, exenatide, enhances Ca²⁺ buffering by SERCA in coronary smooth muscle cells from lean, healthy Ossabaw swine. *FASEB J* 28:700.3. 2014.
- 3) McKenney ML, **Dineen SL**, Noblet JN, Tune JD, and Sturek M. Increased Ca²⁺-activated Ca²⁺ influx and impaired Ca²⁺ buffering in coronary smooth muscle from metabolic syndrome Ossabaw swine. *FASEB J* 28:1076.2. 2014.
- 4) Zarse CA, McKenney ML, **Dineen SL**, Sturek M, Chen NX, and Moe SM. Intracellular Ca²⁺ signaling is altered in vascular smooth muscle cells (VSMC) in chronic kidney disease. *J Am Soc Nephrol* 25:232A, 2014.
- 5) **Dineen SL** and Sturek M. Assessment of endoplasmic reticulum stress by graded sarcoplasmic reticulum Ca²⁺ store depletion in coronary smooth muscle. *FASEB J* 29:638.2. 2015.
- 6) **Rodenbeck SD**, Barnard AL, and Sturek M. SERCA inhibition attenuates medial thickening in an organ culture model of coronary artery disease. *FASEB J* 30:733.9. 2016.

Presentations

- 1) “It is Well With My Soul: My Journey of Faith and Grief,” Harding University Chapel, Fall 2021
- 2) “Theology and Grief,” Theological Studies Table Discussion, Harding University, Fall 2023

- 3) "Teaching at a Christ-Centered University: Receiving and Reflecting Christ," Harding University Faculty Meeting, Spring 2024
- 4) "How We Know What We Know: Faith, Philosophy, and Science," Harding University Chapel, Spring 2024
- 5) "Imaging God in Singleness," Harding University Lectureship, Planned for Fall 2024
- 6) "Male and Female He Created Them: Embracing Our Masculinity and Femininity in Our Singleness," Harding University Lectureship, Planned for Fall 2024
- 7) "I Wish That All Men Were as I Am: Practical Gifts in Singleness," Harding University Lectureship, Planned for Fall 2024