

Curriculum Vitae

Justin D La Favor

Last Revised: February 26, 2024

General Information

University address: Nutrition & Integrative Physiology
College of Health & Human Sciences
239 Biomedical Research Facility
Florida State University
Tallahassee, Florida 32306-1493
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Professional Preparation

- 2018 Postdoctoral Fellow, Johns Hopkins School of Medicine, Baltimore, MD. Major: Urology. Supervisor: Arthur Burnett.
- 2012 Ph.D., East Carolina University, Greenville, NC. Major: Bioenergetics and Exercise Science. Supervisor: Robert Hickner.
- 2008 M.S., University of Louisville, Louisville, KY. Major: Exercise Physiology. Supervisor: Jennifer Olive.
- 2006 B.S., Rose-Hulman Institute of Technology, Terre Haute, IN. Major: Chemical Engineering.

Professional Experience

- 2018–present Assistant Professor, Nutrition & Integrative Physiology, Florida State University.

Honors, Awards, and Prizes

- Early Career Investigator Showcase, American Urological Association (2020).
Top Abstract Award, Sexual Medicine Society of North America (2018). (\$1,000).
Featured Young Scientist in Probes Magazine, American Association of Pharmaceutical Scientists (2016).
Top Abstract Award, Sexual Medicine Society of North America (2016). (\$1,000).
Top Abstract Award, Sexual Medicine Society of North America (2015). (\$1,000).

Predocctoral Recognition Award, Environmental and Exercise Physiology section of the American Physiological Society (2013). (\$500).

Current Membership in Professional Organizations

American Heart Association
American Physiological Society
American Urological Association
International Society of Sexual Medicine
Society for Redox Biology and Medicine

Teaching

Courses Taught

Functional Anatomy and Physiology II (PET3323C)
Histology (HUN6906)
Human Physiology (PET 6931)
Vascular Physiology (HUN4905)
Exercise Physiology Internship (APK8945)
Free Radicals in Exercise (HUN5906)
Physiology of Exercise (EXSS3805)

Doctoral Committee Chair

Ihrig, C., doctoral candidate.
Azeez, T. A., doctoral candidate.

Doctoral Committee Member

Baker, P. A., doctoral candidate.
Khalili, L., doctoral candidate.
Meza, C. A., doctoral candidate. *Investigation of NADPH Oxidase as a link between Vascular and Metabolic Dysfunction.*
Martínez Martín, C., doctoral student.
Olateju, B. S., doctoral student.
Rahimi Kahmini, A., doctoral student.
Sabouri, M., doctoral student.

Master's Committee Chair

Robbins, C. E., graduate. (2021).

Pierre, C. J., graduate. (2021).

Ventura, M., student.

Master's Committee Member

Samarah, L., graduate. (2023). *Effects of Sarcospan Gene Deletion on Innate Immune Activation in Mice.*

Montgomery, M. M., graduate. (2021).

Supervision of Student Research Not Related to Thesis or Dissertation

Vasilenko, G. (Jan 2023–present).

Parizo, K. (Oct 2022–present).

Peoples, M. (Oct 2022–present).

Trent, N. L. (Feb 2019–Apr 2022).

Rhein, P. R. (Jan–Dec 2021).

Montgomery, M. M. (Aug 2020–Jul 2021).

Andrade, M. R. (Jul 2020–Jun 2021).

Martinez, G. M. (Oct 2019–Mar 2020).

DeYong, M. (Nov 2018–Mar 2020).

DeSimone, V. L. (Nov 2018–Aug 2019).

Redmond, A. (May–Aug 2015).

Luke, N. A. (May–Aug 2014).

Rouse, M. (May–Aug 2013).

Dawkins, J. T. (Jan–May 2012).

Roseno, S. L. (May–Aug 2011).

Research and Original Creative Work

Publications

Refereed Journal Articles

- Andrade, M. R., Azeez, T. A., Montgomery, M. M., Caldwell, J. T., Park, H., Kwok, A. T., Borg, A. M., Narayanan, S. A., Willey, J. S., Delp, M. D., & La Favor, J. D. (2023). Neurovascular Dysfunction Associated with Erectile Dysfunction Persists After Long-Term Recovery from Simulations of Weightlessness and Deep Space Irradiation. *FASEB Journal*, 37(12), e23246. Retrieved from <https://faseb.onlinelibrary.wiley.com/doi/10.1096/fj.202300506RR>
doi:10.1096/fj.202300506RR
- Pierre, C. J., Azeez, T. A., Rossetti, M. L., Gordon, B. S., & La Favor, J. D. (2022). Long-Term Administration of Resveratrol and MitoQ Stimulates Cavernosum Antioxidant Gene Expression in a Mouse Castration Model of Erectile Dysfunction. *Life Sciences*, 310, 121082. doi:10.1016/j.lfs.2022.121082
- La Favor, J. D., Pierre, C. J., Bivalacqua, T. J., & Burnett, A. L. (2021). Rapamycin Suppresses Penile NADPH Oxidase Activity to Preserve Erectile Function in Mice Fed a Western Diet. *Biomedicines*, 10, 68. Retrieved from <https://www.mdpi.com/2227-9059/10/1/68>
doi:10.3390/biomedicines10010068
- Azeez, T. A., Andrade, M. R., & La Favor, J. D. (2021). Optimal Wire Myography Normalization for the Rat Dorsal Penile, Internal Pudendal and Internal Iliac Arteries. *Physiological Research*, 70, 931-937. Retrieved from https://www.biomed.cas.cz/physiolres/pdf/70/70_931.pdf
doi:10.33549/physiolres.934714
- Musicki, B., Karakus, S., La Favor, J. D., Chen, H., Silva, F. H., Sturny, M., Zirkin, B. R., & Burnett, A. L. (2020). TSPO ligand FGIN-1-27 controls priapism in sickle cell mice via endogenous testosterone production. *Journal of Cellular Physiology*, 236(4), 3073-3082. Retrieved from <https://onlinelibrary.wiley.com/doi/epdf/10.1002/jcp.30075>
doi:10.1002/jcp.30075
- La Favor, J. D., Fu, Z., Venkatraman, V., Bivalacqua, T. J., Van Eyk, J. E., & Burnett, A. L. (2018). Molecular Profile of Priapism Associated with Low Nitric Oxide Bioavailability. *Journal of Proteome Research*, 17(3), 1031-1041. Retrieved from <https://pubs.acs.org/doi/10.1021/acs.jproteome.7b00657>
doi:10.1021/acs.jproteome.7b00657
- Karakus, S., Musicki, B., La Favor, J. D., & Burnett, A. L. (2017). Cyclic AMP-Dependent Post-Translational Modification of Neuronal Nitric Oxide Synthase Neuroprotects Penile

- Erection. *British Journal of Urology-International*, 120(6), 861-872. Retrieved from <https://onlinelibrary.wiley.com/doi/abs/10.1111/bju.13981> doi:10.1111/bju.13981
- La Favor, J. D., & Burnett, A. L. (2016). A Microdialysis Method to Measure in vivo Hydrogen Peroxide and Superoxide in Various Rodent Tissues. *Methods*, 109, 131-140. Retrieved from <https://www.sciencedirect.com/science/article/pii/S1046202316302237?via%3Dihub> doi:10.1016/j.ymeth.2016.07.012
- La Favor, J. D., Dubis, G. S., Yan, H., White, J. D., Nelson, M. A., Anderson, E. J., & Hickner, R. C. (2016). Microvascular Endothelial Dysfunction in Sedentary, Obese Humans Is Mediated by NADPH Oxidase: Influence of Exercise Training. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 36(12), 2412-2420. Retrieved from <https://www.ahajournals.org/doi/10.1161/ATVBAHA.116.308339> doi:10.1161/ATVBAHA.116.308339
- Musicki, B., Lagoda, G., Goetz, T., La Favor, J. D., & Burnett, A. L. (2016). Transnitrosylation: A Factor in Nitric Oxide-Mediated Penile Erection. *Journal of Sexual Medicine*, 13(5), 808-814. Retrieved from <https://www.sciencedirect.com/science/article/pii/S1743609516003520?via%3Dihub> doi:10.1016/j.jsxm.2016.03.003
- La Favor, J. D., Kraus, R. M., Carrithers, J. A., Roseno, S. L., Gavin, T. P., & Hickner, R. C. (2014). Sex Differences with Aging in Nutritive Skeletal Muscle Blood Flow: Impact of Exercise Training, Nitric Oxide, and Alpha-Adrenergic Mediated Mechanisms. *American Journal of Physiology-Heart and Circulatory Physiology*, 307(4), H524-H532. Retrieved from <https://www.physiology.org/doi/full/10.1152/ajpheart.00247.2014> doi:10.1152/ajpheart.00247.2014
- La Favor, J. D., Anderson, E. J., & Hickner, R. C. (2014). Novel Method for Detection of Reactive Oxygen Species in vivo in Human Skeletal Muscle. *Physiological Research*, 63(3), 387-392. Retrieved from http://www.biomed.cas.cz/physiolres/pdf/63/63_387.pdf
- La Favor, J. D., Anderson, E. J., Dawkins, J. T., Hickner, R. C., & Wingard, C. J. (2013). Exercise Prevents Western-Diet Associated Erectile Dysfunction and Coronary Artery Endothelial Dysfunction: Response to Acute Apocynin and Sepiapterin Treatment. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 305(4), R423-R434. Retrieved from https://www.physiology.org/doi/full/10.1152/ajpregu.00049.2013?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed doi:10.1152/ajpregu.00049.2013
- Fisher-Wellman, K. H., Mattox, T. A., Thayne, K., Katunga, L. A., La Favor, J. D., Neuffer, P. D., Hickner, R. C., Wingard, C. J., & Anderson, E. J. (2013). Novel Role for Thioredoxin Reductase-2 in Mitochondrial Redox Adaptations to Obesogenic Diet and Exercise in Heart and Skeletal Muscle. *Journal of Physiology*, 591(14), 3471-3486. Retrieved from

<https://physoc.onlinelibrary.wiley.com/doi/full/10.1113/jphysiol.2013.254193>
doi:10.1113/jphysiol.2013.254193

Frasier, C. R., Moukdar, F., Patel, H. D., Sloan, R. C., Stewart, L. M., Alleman, R. J., La Favor, J. D., & Brown, D. A. (2013). Redox-Dependent Increases in Glutathione Reductase and Exercise Preconditioning: Role of NADPH Oxidase and Mitochondria. *Cardiovascular Research*, 98(1), 47-55. Retrieved from <https://academic.oup.com/circres/article/98/1/47/313200> doi:10.1093/cvr/cvt009

La Favor, J. D., Anderson, E. J., Hickner, R. C., & Wingard, C. J. (2013). Erectile Dysfunction Precedes Coronary Artery Endothelial Dysfunction in Rats Fed a High-Fat, High-Sucrose, Western-Pattern Diet. *Journal of Sexual Medicine*, 10(3), 694-703. Retrieved from <https://www.sciencedirect.com/science/article/pii/S1743609515302915?via%3Dihub> doi:10.1111/jsm.12001

La Favor, J. D., Hollis, B. C., Mokshagundam, S. L., & Olive, J. L. (2011). Serum hsCRP and Visfatin are Elevated and Correlate to Carotid Arterial Stiffness in Spinal Cord Injured Subjects. *Spinal Cord*, 49(9), 961-966. Retrieved from <https://www.nature.com/articles/sc201156> doi:10.1038/sc.2011.56

Invited Reviews

Meza, C. A., La Favor, J. D., Kim, Do-Houn, & Hickner, R. C. (2019). Endothelial Dysfunction: Is There a Hyperglycemia-Induced Imbalance of NOX and NOS? *International Journal of Molecular Sciences*, 20(15), E3775. Retrieved from <https://www.mdpi.com/1422-0067/20/15/3775>

Presentations

Invited Keynote and Plenary Presentations at Conferences

La Favor, J. D. (presented 2022, December). *Hydrogen Sulfide Protects Erectile Function through Preservation of Antioxidant Defense*. Keynote presentation at Society for Pelvic Research Annual Meeting, Society for Pelvic Research, Charlotte, NC. (National)

Invited Presentations at Symposia

La Favor, J. D., DeYong, M., Berkowitz, D. E., Bivalacqua, T. J., & Burnett, A. L. (presented 2020, May). Could Blue Light be the Next Little Blue Pill?: Effects of Light-Stimulation on Erectile Dynamics. In *Early Career Investigators Showcase*. Presentation at the meeting of American Urological Association, Washington, DC. (National)

La Favor, J. D. (presented 2017, October). Innovation in Sexual Dysfunction – Future Therapies. In T.F. Lue (Chair), *Inflammation in Injury and Repair*. Presentation at the meeting of Sexual Medicine Society of North America, San Antonio, TX. (National)

La Favor, J. D. (presented 2017, October). Take Home Message – Basic Science. In T.S. Kohler (Chair), *Closing Ceremony*. Presentation at the meeting of Sexual Medicine Society of North America, San Antonio, TX. (National)

La Favor, J. D. (presented 2014, November). Development of ED and CVD: Effects of a Western Diet and Exercise. In C.A. Podlasek (Chair), *Past Grant Awardee Symposium*. Presentation at the meeting of Sexual Medicine Society of North America, Miami, FL. (National)

Refereed Presentations at Conferences

Liu, Y., Pierre, C. J., Sun, L., Li, Y., La Favor, J. D., & Holmes, C. A. (presented 2023, October). *Effects of surface coating composition on extracellular vesicle secretion are cell specific*. Poster presentation at BMES Annual Meeting, Biomedical Engineering Society, Seattle, WA. (National)

Azeez, T. A., Pierre, C. J., & La Favor, J. D. (presented 2023, April). *Cystathionine γ -lyase (CSE) deficiency promotes increased contraction of the corpus cavernosum*. Poster presentation at American Physiology Summit, American Physiological Society, Long Beach, CA. (National)

La Favor, J. D., Rhein, P. R., Pierre, C. J., Azeez, T. A., & Burnett, A. L. (presented 2022, October). *Hydrogen Sulfide Therapy Stimulates Cellular Antioxidant Defense and Reverses Erectile Dysfunction in Western Diet-fed Mice*. Presentation at World Meeting on Sexual Medicine, International Society for Sexual Medicine, Miami Beach, FL. (International)

Azeez, T. A., Andrade, M. R., Montgomery, M. C., Caldwell, J. T., Park, H., Narayanan, A. S., Delp, M. D., & La Favor, J. D. (presented 2022, April). *Effects of Simulated Long Duration Spaceflight on Erectile Function. Poster Presentation*. Poster presentation at Experimental Biology, American Physiological Society, Philadelphia, PA. (National)

Pierre, C. J., Azeez, T. A., Rossetti, M. L., Gordon, B. S., & La Favor, J. D. (presented 2022, April). *Long-term Administration of Resveratrol and MitoQ Stimulates Antioxidant Gene Expression in a Mice Castration Model of Erectile Dysfunction*. Poster presentation at Experimental Biology, American Physiological Society, Philadelphia, PA. (National)

- La Favor, J. D., Pierre, C. J., Bivalacqua, T. J., & Burnett, A. L. (presented 2022, April). *Rapamycin Suppresses Penile NADPH Oxidase Activity to Preserve Erectile Function in Mice Fed a Western Style High-Fat, High-Sucrose Diet*. Poster presentation at Experimental Biology, American Physiological Society, Philadelphia, PA. (National)
- Andrade, M. R., Azeez, T. A., Montgomery, M. C., Caldwell, J. T., Park, H., Narayanan, A. S., Delp, M. D., & La Favor, J. D. (presented 2022, April). *The Impact of Long-Duration Exposure to Microgravity and Galactic Cosmic Radiation on Corpus Cavernosum Function*. Poster presentation at Experimental Biology, American Physiological Society, Philadelphia, PA. (National)
- Pierre, C. J., Azeez, T. A., Rossetti, M. L., Gordon, B. S., & La Favor, J. D. (presented 2021, December). *Long-term administration of Resveratrol and MitoQ on endothelial function in a mouse model of erectile dysfunction*. Presentation at Annual Meeting, Society for Pelvic Research, Virtual. (National)
- Hawksworth, D. J., La Favor, J. D., Andres, R., Kuo, C., Cullen, J., Bivalacqua, T. J., & Burnett, A. L. (presented 2020, May). *Non-alcoholic fatty liver disease and erectile dysfunction in S-nitrosoglutathione (GSNOR) deficiency*. Poster presentation at American Urological Association Annual Meeting, American Urological Association, Washington, DC. (National) Retrieved from <https://www.auajournals.org/doi/abs/10.1097/JU.0000000000000976.018>
- La Favor, J. D., DeYong, M., Berkowitz, D. E., Bivalacqua, T. J., & Burnett, A. L. (presented 2020, April). *Is Blue Light the Next Little Blue Pill?: Effects of Light-Stimulation on Erectile Dynamics*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (National) Retrieved from <https://faseb.onlinelibrary.wiley.com/doi/abs/10.1096/fasebj.2020.34.s1.06972?af=R>
- La Favor, J. D., Bivalacqua, T. J., & Burnett, A. L. (presented 2018, November). *Rapamycin Suppresses NADPH Oxidase-mediated Reactive Oxygen Species and Reverses Erectile Dysfunction in Western Diet-fed Mice*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Miami, FL. (National)
- La Favor, J. D., Soetkamp, D., Venkatraman, V., Bivalacqua, T. J., Van Eyk, J. E., & Burnett, A. L. (presented 2017, April). *Excessive Thiol Nitrosylation Predisposes to Western Diet-Induced Redox Imbalance and Erectile Dysfunction*. Poster presentation at Experimental Biology, American Physiological Association, Chicago, IL. (National)
- La Favor, J. D., Ranek, M. J., Bivalacqua, T. J., Kass, D. A., & Burnett, A. L. (presented 2016, November). *Cysteine 42 of Protein Kinase G 1 α is Critical for Erection Generation*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Scottsdale, AZ. (National)

- Musicki, B., Lagoda, G., Goetz, T., La Favor, J. D., & Burnett, A. L. (presented 2016, November). *Transnitrosylation in Nitric Oxide-Mediated Penile Erection*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Scottsdale, AZ. (National)
- Hickner, R. C., Dubis, G. S., Yan, H., White, J., Anderson, E. J., & La Favor, J. D. (presented 2016, June). *Exercise Training Effects on Elevated NOX-Dependent ROS and Microvascular Endothelial Dysfunction in Obese Humans*. Presentation at Annual Meeting, American College of Sports Medicine, Boston, MA. (National)
- La Favor, J. D., Fu, Z., Bivalacqua, T. J., Van Eyk, J. E., & Burnett, A. L. (presented 2016, April). *Molecular Targets for Nitric Oxide Deficient Priapism*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (National)
- Karakus, S., Musicki, B., La Favor, J. D., & Burnett, A. L. (presented 2015, November). *PKA Agonist Colforsin Recovers Erectile Function and Promotes nNOS Signaling in the Penis in Cavernous Nerve Injury Rat Model*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Las Vegas, NV. (National)
- La Favor, J. D., Bivalacqua, T. J., & Burnett, A. L. (presented 2015, November). *S-Nitrosoglutathione Reductase (GSNOR) Protects Against Western Diet Induced Reactive Oxygen Species Production and Erectile Dysfunction*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Las Vegas, NV. (National)
- La Favor, J. D., Luke, N. A., Hannan, J. L., & Burnett, A. L. (presented 2015, March). *Western Diet Increases Penile in vivo Reactive Oxygen Species: Investigation of Antioxidant Defense*. Poster presentation at Experimental Biology, American Physiological Association, Boston, MA. (National)
- Kretchman, R., Burgess, S., La Favor, J. D., Wingard, C. J., & Bareiss, S. K. (presented 2015, February). *Aerobic Exercise as a Therapeutic Tool to Reduce Early Markers of Painful Neuropathy Following Exposure to a High Fat/High Sucrose Diet*. Poster presentation at Annual Meeting, American Physical Therapy Association, Indianapolis, IN. (National)
- Musicki, B., Hannan, J. L., Lagoda, G., La Favor, J. D., Bivalacqua, T. J., & Burnett, A. L. (presented 2014, November). *eNOS Uncoupling Contributes to Earlier Erectile Dysfunction and Endothelial Dysfunction in the Penis than in the Carotid Artery in a Rat Model of Type 2 Diabetes Mellitus*. Presentation at Annual Meeting, Sexual Medicine Society of North America, Miami, FL. (National)
- La Favor, J. D., Luke, N. A., Hannan, J. L., & Burnett, A. L. (presented 2014, November). *Western Diet Increases Penile in vivo Reactive Oxygen Species Independent of Fibrotic Signaling*. Poster presentation at Annual Meeting, Sexual Medicine Society of North America, Miami, FL. (National)
- La Favor, J. D., & Burnett, A. L. (presented 2014, April). *A Novel Method to detect in vivo Oxidant Production Reveals Increased Susceptibility to High-Fat Diet Induced Penile*

Oxidative Stress in GSNOR Knockout Mice. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (National)

La Favor, J. D., Anderson, E. J., & Hickner, R. C. (presented 2013, April). *A Novel Method to detect in vivo Oxidant Production Reveals Microvascular Endothelial Dysfunction Linked to NADPH Oxidase in Obese Human Skeletal Muscle*. Poster presentation at Experimental Biology, American Physiological Society, Boston, MA. (National)

La Favor, J. D., Anderson, E. J., Dawkins, J. T., Hickner, R. C., & Wingard, C. J. (presented 2013, April). *Exercise Prevents Western-Diet Associated Erectile and Coronary Artery Endothelial Dysfunction Mediated by NADPH Oxidase*. Poster presentation at Experimental Biology, American Physiological Society, Boston, MA. (National)

La Favor, J. D., Anderson, E. J., & Hickner, R. C. (presented 2013, February). *Elevated NADPH Oxidase Activity Links Endothelial Dysfunction to ROS in Obese Human Skeletal Muscle*. Poster presentation at Annual Meeting, Southeastern American College of Sports Medicine, Greenville, SC. (Regional)

La Favor, J. D., Kraus, R. M., Gavin, T. P., & Hickner, R. C. (presented 2012, June). *Acute Exercise Training Enhances Resting Microvascular Nutritive Exchange; Nitric Oxide and α -Adrenergic Mediated Mechanisms*. Poster presentation at Annual Meeting, American College of Sports Medicine, San Francisco, CA. (National)

Anderon, E. J., Mattox, T. A., Fisher-Wellman, K. H., La Favor, J. D., Hickner, R. C., & Wingard, C. J. (presented 2012, April). *Differential Adaptations to High-calorie, Western-pattern Diet and Exercise Training in Redox Status and Mitochondria of Heart and Skeletal Muscle: Role of Thioredoxin Reductase*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (National)

La Favor, J. D., Anderson, E. J., Chaaban, M. P., Hickner, R. C., & Wingard, C. J. (presented 2012, April). *Time Course of Development of Erectile Dysfunction and Coronary Endothelial Dysfunction in Response to a Western Diet: Influence of Endothelial Nitric Oxide Synthase Uncoupling*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (National)

Gavin, K. M., Geyer, G. H., La Favor, J. D., Hickner, R. C., & Choi, Myung-Dong. (presented 2011, June). *Adenosine Suppression of in-vivo Lipolysis in Obese Premenopausal Women*. Poster presentation at Annual Meeting, American College of Sports Medicine, Baltimore, MD. (National)

La Favor, J. D., Frasier, C. R., Brown, D. A., Hickner, R. C., & Wingard, C. J. (presented 2011, June). *Ten Days of Aerobic Exercise Enhances Aortic Endothelium Dependent Relaxation through Depressed NADPH-Oxidase Activity*. Poster presentation at Annual Meeting, American College of Sports Medicine, Denver, CO. (National)

- Maudar, V., La Favor, J. D., Hollis, B. C., Gobejshvili, L., Olive, J. L., Barve, S., & Mokshagundam, S. L. (presented 2010, June). *Alterations in Glucose Tolerance and Vascular Function in Subjects with Chronic Spinal Cord Injury: Association with Adipokines and Systemic Inflammation*. Poster presentation at Diabetes, American Diabetes Association. (National)
- La Favor, J. D., Hollis, B. C., Mokshagundam, S. L., & Olive, J. L. (presented 2010, February). *Serum Adipokines and Insulin Sensitivity in Spinal Cord Injured Subjects*. Poster presentation at Annual Meeting, Southeastern American College of Sports Medicine, Greenville, SC. (Regional)
- Maudar, V., La Favor, J. D., Hollis, B. C., Barve, S. S., Miller, J. J., Olive, J. L., & Mokshagundam, S. L. (presented 2009, June). *Inflammatory Markers and Adipokines in Chronic Spinal Cord Injury*. Poster presentation at ENDO, The Endocrine Society, Washington, DC. (National)
- Hollis, B. C., La Favor, J. D., Maudar, V., Mokshagundam, S. L., & Olive, J. L. (presented 2009, May). *Inflammation and Insulin Sensitivity in Spinal Cord Injured Subjects*. Presentation at Annual Meeting, American College of Sports Medicine, Seattle, WA. (National)
- La Favor, J. D., Hollis, B. C., Mokshagundam, S. L., & Olive, J. L. (presented 2009, February). *Carotid Arterial Stiffness and Inflammation in Spinal Cord Injured Subjects*. Poster presentation at Annual Meeting, Southeastern American College of Sports Medicine, Birmingham, AL. (Regional)
- Maudar, V., Hollis, B. C., La Favor, J. D., Miller, J. J., Mokshagundam, S. P., & Olive, J. L. (presented 2008, June). *Glucose Tolerance, Insulin Resistance, and Insulin Secretion in Subjects with Chronic Spinal Cord Injury – A Pilot Study*. Poster presentation at ENDO, The Endocrine Society, San Francisco, CA. (National)

Nonrefereed Presentations at Conferences

- Redmond, A., La Favor, J. D., & Burnett, A. L. (presented 2016, February). *Valproic Acid Improves Erectile Function in an Animal Model of Radical Prostatectomy*. Poster presentation at International Conference for Healthcare and Medical Students, Royal College of Surgeons - Ireland, Dublin, Ireland. (State)
- Luke, N. A., Burnett, A. L., & La Favor, J. D. (presented 2015, April). *Mitochondrial Redox Imbalance in Western Diet Induced Erectile Dysfunction*. Poster presentation at Undergraduate Research Day, University of Maryland, College Park, MD. (Local)
- Mattox, T. A., Fisher-Wellman, K. H., Katunga, L. A., Thayne, K., La Favor, J. D., Hickner, R. C., Wingard, C. J., & Anderson, E. J. (presented 2012, March). *Differential Adaptations to High-calorie, Western-pattern Diet and Exercise Training in Redox Status and*

Mitochondria of Heart and Skeletal Muscle. Poster presentation at Integrative Vascular Biology Symposium, University of North Carolina McAllister Heart Institute. (State)

Burgess, S., La Favor, J. D., Wingard, C. J., & Bareiss, S. K. (presented 2012, March). *Early Markers for Painful Diabetic Neuropathy in Rats Exposed to High Fat/High Sucrose Diet*. Poster presentation at Research & Creative Achievement Week, East Carolina University, Greenville, NC. (Local)

La Favor, J. D., Anderson, E. J., Chaaban, M. P., Hickner, R. C., & Wingard, C. J. (presented 2012, March). *Erectile Dysfunction Precedes Coronary Artery Endothelial Dysfunction in Response to a Western Diet: Influence of Endothelial Nitric Oxide Synthase Uncoupling and Prevention by Exercise Training*. Poster presentation at Integrative Vascular Biology Symposium, University of North Carolina McAllister Heart Institute, Chapel Hill, NC. (State)

La Favor, J. D., Anderson, E. J., Chaaban, M. P., Hickner, R. C., & Wingard, C. J. (presented 2012, March). *Erectile Dysfunction Precedes Coronary Artery Endothelial Dysfunction in Response to a Western Diet: Influence of Endothelial Nitric Oxide Synthase Uncoupling and Prevention by Exercise Training*. Presentation at Research & Creative Achievement Week, East Carolina University, Greenville, NC. (Local)

Nonrefereed Presentations at Symposia

Azeez, T. A., & La Favor, J. D. (presented 2022, February). Effects of Simulated Spaceflight on Erectile Function. In *CHHS Research Showcase*. Presentation at the meeting of FSU College of Health and Human Sciences, Tallahassee, FL. (Local)

Pierre, C. J., & La Favor, J. D. (presented 2021, February). Antioxidant Treatment on Erectile Dysfunction-Induced Mice. In *CHHS Research Showcase*. Presentation at the meeting of FSU College of Health and Human Sciences, Tallahassee, FL. (Local)

DeSimone, V., & La Favor, J. D. (presented 2019, April). Biological Effects of Hydrogen Sulfide. In *19th Annual Undergraduate Research Symposium*. Poster presentation at the meeting of Center for Undergraduate Research & Academic Engagement, Tallahassee, FL. (Local)

DeYong, M., & La Favor, J. D. (presented 2019, April). Investigation of Photorelaxation. In *19th Annual Undergraduate Research Symposium*. Poster presentation at the meeting of Center for Undergraduate Research & Academic Engagement, Tallahassee, FL. (Local)

Invited Lectures and Readings of Original Work

La Favor, J. D. (2021, March). *The Search for the Next Little Blue Pill: Using Our Nose for Clues*. Delivered at East Stroudsburg University, Virtual. (Local)

La Favor, J. D. (2020, January). *The Search for the Next Little Blue Pill: Using Our Eyes and Nose for Clues*. Delivered at Florida State University, Department of Nutrition, Food and Exercise Sciences Seminar Series. (Local)

Contracts and Grants

Contracts and Grants Funded

La Favor, J. D., & Pierre, C. J. (Jun 2022–Dec 2023). *Diversity Supplement to Role of Testosterone Induction of Hydrogen Sulfide in Erectile Dysfunction*. Funded by National Institutes of Health. (R03DK131242-01S1). Total award \$174,268.

La Favor, J. D. (Jan 2022–Dec 2023). *Role of Testosterone Induction of Hydrogen Sulfide in Erectile Dysfunction*. Funded by National Institutes of Health. (R03DK131242). Total award \$214,681.

La Favor, J. D. (May 2019–Aug 2019). *Blue Light-Mediated Relaxation of Erectile Tissue*. Funded by 10) Florida State University Council on Research and Creativity. Total award \$20,000.

La Favor, Justin D (PI). (Sep 2018–May 2024). *Role of Hydrogen Sulfide Depletion in Western Diet-Induced Erectile Dysfunction*. Funded by National Institutes of Health. (K01DK115540). Total award \$749,501.

La Favor, Justin D (PI). (Aug 2018–Aug 2021). *Startup - J. La Favor*. Funded by FSU. Total award \$40,667.

La Favor, J. D. (Sep 2017–Sep 2018). *Role of Hydrogen Sulfide Depletion in Western Diet-Induced Erectile Dysfunction*. Funded by National Institutes of Health. (K01DK115540-01). Total award \$98,370.

La Favor, J. D. (Jul 2017–Jun 2018). *The Role of Hydrogen Sulfide Depletion in Western Diet-Induced Erectile Dysfunction*. Funded by Sexual Medicine Society of North America. Total award \$25,000.

La Favor, J. D. (Jul 2016–Jun 2017). *Redox Regulation of PKG1 α in Control of Penile Erection*. Funded by Sexual Medicine Society of North America. Total award \$6,000.

La Favor, J. D. (Sep 2014–Sep 2017). *Regulation of eNOS by S-Nitrosylation in Diet Associated Erectile Dysfunction*. Funded by National Institutes of Health. (F32DK100082-01A). Total award \$159,906.

La Favor, J. D. (Jul 2014–Jun 2015). *MTOR and Mitochondrial Oxidant Imbalance in Western Diet Induced Erectile Dysfunction*. Funded by Sexual Medicine Society of North America. Total award \$7,500.

La Favor, J. D. (Jul 2014–Jun 2015). *Role of S-Nitrosylated Glutathione Reductase (GSNOR) in Western Diet Induced Erectile Dysfunction*. Funded by National Kidney Foundation of Maryland. Total award \$10,000.

La Favor, J. D. (Jul 2012–Jun 2013). *Investigation of NADPH Oxidase and eNOS uncoupling as Mechanisms Linking Erectile Dysfunction and Coronary Artery Endothelial Dysfunction in Diet-Induced Obesity*. Funded by Sexual Medicine Society of North America. Total award \$3,000.

La Favor, J. D. (Jul 2011–Jun 2012). *Role of NADPH Oxidase Activity on Muscle Microvascular Endothelial Function in Human Obesity*. Funded by American College of Sports Medicine Foundation. Total award \$5,000.

Resource Grant

La Favor, J. D. (2019, February–May). A grant of \$1,000 for materials for undergraduate research. *Undergraduate Research Opportunity Materials Grant*. Sponsored by Florida State University Center for Undergraduate Research & Academic Engagement.

Contracts and Grants Pending

La Favor, Justin D (PI). (Aug 2018). *Startup - J. La Favor*. Submitted to FSU.

Service

Florida State University

FSU Department Service

Organizer, HNFS Seminar Series (2023–present).

Member, NIP Master's programs admission committee (2022–present).

Member, Exercise Physiology PhD Admissions Review Committee (2018–present).

Member, Exercise Physiology Faculty Search Committee (2022–2023).

Member, Exercise Physiology Faculty Search Committee (2021–2022).

Member, Exercise Physiology Faculty Search Committee (2018–2019).

The Profession

Guest Reviewer for Refereed Journals

Expert Opinion on Pharmacotherapy (May 2023–present).

Basic and Clinical Andrology (Feb 2023–present).

Frontiers in Public Health (Dec 2022–present).

Life Sciences (Dec 2022–present).

Sensors (Nov 2022–present).

FASEB Journal (Jul 2022–present).

Translational Andrology and Urology (Jul 2022–present).

Communications Biology (Mar 2022–present).

Androgens: Clinical Research and Therapeutics (Feb 2022–present).

Journal of Clinical Medicine (Feb 2022–present).

Frontiers in Nutrition (2022–present).

Journal of Visualized Experiments (2022–present).

Cells (Dec 2021–present).

Sexual Medicine (Dec 2021–present).

Frontiers in Aging (Sep 2021–present).

Urology (Aug 2021–present).

Applied Sciences (Apr 2021–present).

International Journal of Environmental Research and Public Health (2020–present).

International Journal of Molecular Sciences (2020–present).

Life (2020–present).

Clinical Science (Dec 2019–present).

Andrology (Sep 2019–present).

Oxidative Medicine and Cellular Longevity (Aug 2019–present).

Biomedicine and Pharmacotherapy (Jul 2019–present).

BioProtocol (Jun 2019–present).

Asian Journal of Andrology (2017–present).

Nutrients (2017–present).

Antioxidants (2016–present).

Applied Physiology, Nutrition, and Metabolism (2016–present).

Journal of Urology (2015–present).

Journal of Sexual Medicine (2014–present).

Cell Biology International (2018).

Medical Sciences (2018).

Sports (2018).

Geriatrics (2017).

Scientific Reports (2017).

Current Diabetes Reviews (2016).

Biomolecules (2015).

International Journal of Cell Biology (2014).

Chair of a Symposium

La Favor, J. D. (Chair). (2022, October). *Basic Science Symposium*. Symposium conducted at the meeting of International Society for Sexual Medicine, Miami Beach, FL.

Hannan, J. L., & La Favor, J. D. (Chair). (2018, November). *Trainee three minute thesis competition*. Symposium conducted at the meeting of Sexual Medicine Society of North America, Miami, FL.

Reviewer or Panelist for Grant Applications

U.S. Department of Veterans Affairs (2023–present).

National Institute of Diabetes and Digestive and Kidney Diseases (2023–present).

National Institute of Diabetes and Digestive and Kidney Diseases (2023–present).

National Institute of Diabetes and Digestive and Kidney Diseases (2018–present).

National Institutes of Diabetes and Digestive and Kidney Diseases (2019–2021).

Service to Professional Associations

Basic Science Committee - Member, Sexual Medicine Society of North America (2022–present).

Abstract Reviewer, Reviewed abstracts for the annual meeting, Society for Free Radical Biology and Medicine (2019–present).

Service to Other Universities

Member, *Johns Hopkins University Grievance Committee* (2016–2018).

Member, *Search Committee for Johns Hopkins School of Medicine Associate Dean of Postdoctoral Affairs* (2017).

President, *Johns Hopkins Postdoctoral Association* (2016–2017).

Chair of Research Retreat Organization Committee, *Johns Hopkins Postdoctoral Association* (2016–2017).

Senator, *Johns Hopkins School of Medicine Faculty Senate* (2016–2017).

Member, *Johns Hopkins School of Medicine Postdoctoral Advisory Board* (2016–2017).

Chair of Social & Networking Committee, *Johns Hopkins Postdoctoral Association*
(2014–2016).

Senator, *East Carolina University Graduate and Professional Student Senate* (2009–2010).

Vice President, *East Carolina University Kinesiology Graduate Student Organization*
(2009–2010).

Representative, *University of Louisville Graduate Student Council* (2006–2008).