

# CURRICULUM VITAE

## Justin D. La Favor, M.S. Ph.D.

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### EDUCATION & TRAINING

**Rose-Hulman Institute of Technology**, Terre Haute, IN, May 2006

**Degree:** B.S. Chemical Engineering

**Minors:** Applied Biology, World Geography, Spanish

**University of Louisville**, Louisville, KY, August 2008

**Degree:** M.S. Exercise Physiology

**Supervisor:** Jennifer Olive, PhD

**Thesis:** *The Effects of Asymmetric Dimethylarginine on Endothelial Function in Spinal Cord Injured Patients*

**East Carolina University**, Greenville, NC, December 2012

**Degree:** Ph.D. Bioenergetics and Exercise Science

**Supervisor:** Robert Hickner, PhD

**Dissertation:** *NADPH Oxidase as a Mechanistic Link Between Erectile Dysfunction, Peripheral, and Coronary Endothelial Dysfunction in Obesity*

**Johns Hopkins School of Medicine**, Baltimore, MD, April 2013 – October 2017

Postdoctoral Fellowship in Sexual Medicine; James Buchanan Brady Urological Institute

**Supervisor:** Arthur Burnett, MD, MBA

**Research:** *Redox regulation of erectile function*

**Johns Hopkins School of Medicine**, Baltimore, MD, October 2017 – August 2018

Senior Postdoctoral Fellowship in Neurourology; James Buchanan Brady Urological Institute and Solomon H. Snyder Department of Neuroscience

**Supervisors:** Arthur Burnett, MD, MBA and Solomon Snyder, MD

**Research:** *Hydrogen sulfide signaling in regulation of erectile function*

### ACADEMIC POSITIONS

2018 – Present      Assistant Professor  
Department of Nutrition, Food, and Exercise Sciences  
College of Human Sciences  
Florida State University, Tallahassee, FL

### ACADEMIC HONORS AND AWARDS

- American College of Sports Medicine – Pre-doctoral Fellowship (2011-2012)
- Predoctoral Recognition Award – Environmental and Exercise Physiology section of the American Physiological Society (2013), \$500 prize.
- Ruth L. Kirschstein National Research Service Award (2014-2017)

- Top Abstract Award - Sexual Medicine Society of North America Annual Meeting (2015), \$1,000 prize.
- Featured Young Scientist in “Probes” magazine, Winter 2016 issue
- Top Abstract Award - Sexual Medicine Society of North America Annual Meeting (2016), \$1,000 prize.
- Pfizer Fellowship in Men’s Health (2017-2018)
- NIDDK (K01) Mentored Research Scientist Award (2017)

## **FUNDED GRANTS AS P.I.**

- 1) American College of Sports Medicine Foundation, Research Initiative FRG19 A12-0045-001. *Role of NADPH oxidase activity on muscle microvascular endothelial function in human obesity.* 07/01/11-06/30/12. **\$5,000.**
- 2) Sexual Medicine Society of North America, Trainee Grant. *Investigation of NADPH Oxidase and eNOS uncoupling as Mechanisms Linking Erectile Dysfunction and Coronary Artery Endothelial Dysfunction in Diet-Induced Obesity.* 07/01/12-06/30/13. **\$3,000.**
- 3) Sexual Medicine Society of North America, Post-Doctoral Fellowship Grant. *MTOR and Mitochondrial Oxidant Imbalance in Western Diet Induced Erectile Dysfunction.* 07/01/14-06/30/15. **\$7,500.**
- 4) National Kidney Foundation of Maryland, Mini-Grant. *Role of S-Nitrosylated Glutathione Reductase (GSNOR) in Western Diet Induced Erectile Dysfunction.* 07/01/14-06/30/15. **\$10,000.**
- 5) **National Institutes of Health.** Ruth L. Kirschstein National Research Service Award. *Regulation of eNOS by S-Nitrosylation in Diet Associated Erectile Dysfunction.* 1F32DK100082-01A. 09/24/14-09/10/17. **\$159,906.**
- 6) Sexual Medicine Society of North America, Post-Doctoral Fellowship Grant. *Redox Regulation of PKG1 $\alpha$  in Control of Penile Erection.* 07/01/16-06/30/17. **\$6,000.**
- 7) Sexual Medicine Society of North America, Pfizer Fellowship in Men’s Health. *The Role of Hydrogen Sulfide Depletion in Western Diet-Induced Erectile Dysfunction.* 07/01/17-06/30/18. **\$25,000.**
- 8) **National Institutes of Health.** NIDDK Mentored Research Scientist Award. *Role of Hydrogen Sulfide Depletion in Western Diet-Induced Erectile Dysfunction.* 1 K01 DK115540-01. Budget Period 9/11/17-09/10/22. **Impact Score: 10.** Year 1 award of **\$98,370.**

## **PEER REVIEWED JOURNAL PUBLICATIONS**

- 1) **La Favor JD,** Hollis BH, Mokshagundam SL, Olive JL. Serum hsCRP and Visfatin are Elevated and Correlate to Carotid Arterial Stiffness in Spinal Cord Injured Subjects. *Spinal Cord* 49(9): 961-966, 2011.

- 2) **La Favor JD**, Anderson EJ, Hickner RC, Wingard CJ. 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, 2013.
- 3) Frasier CR, Moukdar F, Patel HD, Sloan RC, Stewart LM, Alleman RJ, **La Favor JD**, Brown DA. Redox-Dependent Increases in Glutathione Reductase and Exercise Preconditioning: Role of NADPH Oxidase and Mitochondria. *Cardiovascular Research* 98(1): 47-55, 2013.
- 4) Fisher-Wellman KH, Mattox TA, Thayne K, Katunga LA, **La Favor JD**, Neuffer PD, Hickner RC, Wingard CJ, Anderson EJ. 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, 2013.
- 5) **La Favor JD**, Anderson EJ, Dawkins JT, Hickner RC, Wingard CJ. 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, 2013.
- 6) **La Favor JD\***, Anderson EJ, Hickner RC. Novel Method for Detection of Reactive Oxygen Species in vivo in Human Skeletal Muscle. *Physiological Research* 63(3): 387-392, 2014.
- 7) **La Favor JD**, Kraus RM, Carrithers JA, Roseno SL, Gavin TP, Hickner RC. 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: H524-H532, 2014.
- 8) Musicki B, Lagoda G, Goetz T, **La Favor JD**, Burnett AL. Transnitrosylation: A Factor in Nitric Oxide-Mediated Penile Erection. *Journal of Sexual Medicine* 13: 808-814, 2016.
- 9) **La Favor JD\***, Burnett AL. A Microdialysis Method to Measure in vivo Hydrogen Peroxide and Superoxide in Various Rodent Tissues. *Methods* 109: 131-140, 2016.
- 10) **La Favor JD\***, Dubis GS, Yan H, White JD, Anderson EJ, Hickner RC. Microvascular Endothelial Dysfunction in Sedentary, Obese Humans is mediated by NADPH Oxidase; Influence of Exercise Training. *Arteriosclerosis, Thrombosis, and Vascular Biology* 36: 2412-2420, 2016.
- 11) Karakus S, Musicki B, **La Favor JD**, Burnett AL. Cyclic AMP-Dependent Post-Translational Modification of Neuronal Nitric Oxide Synthase Neuroprotects Penile Erection. *British Journal of Urology-International* 120: 861-872, 2017.
- 12) **La Favor JD\***, Fu Z, Venkatraman V, Bivalacqua TJ, Van Eyk JE, Burnett AL. Molecular Profile of Priapism Associated with Low Nitric Oxide Bioavailability. *Journal of Proteome Research* 17: 1031-1041, 2018.

\* Corresponding Author

## HIGHLIGHTED RESEARCH

- 1) *Hitting the Gym May Help Men Avoid Diet-Induced Erectile Dysfunction*. Featured news article by the American Physiological Society. 8/20/2013 <http://www.the-aps.org/mm/hp/Audiences/Public-Press/For-the-Press/releases/13/25.html>
- 2) *Erectile Dysfunction: A Biomarker for Heart Disease?* Article in Bioscience and Biotechnology magazine. 9/4/2013  
<http://www.biosciencetechnology.com/articles/2013/09/erectile-dysfunction-biomarker-heart-disease#.UuvmprRtZ9y>

## INVITED LECTURES

- 1) *Asymmetric dimethylarginine metabolism and endothelial function*. NASH Interest Group, Department of Internal Medicine, University of Louisville, Louisville, KY. June, 2007.
- 2) *Asymmetric dimethylarginine and endothelial function in Spinal Cord Injured Patients*. Department of Exercise and Sport Science, East Carolina University, Greenville, NC. March, 2008.
- 3) *Exploring a diet-induced obese rat model to investigate the link between erectile dysfunction and coronary dysfunction*. Metabolism Interest Group, East Carolina University, Greenville, NC. February, 2011.
- 4) *Investigating NADPH Oxidase (NOX) as a target for reversing obesity associated endothelial dysfunctions*. Neuro-Urology Laboratory, Johns Hopkins University, Baltimore, MD. September, 2012.
- 5) *ROS: What are they, how do we measure them, and why do we care?* Johns Hopkins University Department of Urology, Baltimore, MD. June, 2014.
- 6) *Development of ED and CVD: Effects of a Western Diet and Exercise*. Past Grant Awardee Symposium at Sexual Medicine Society of North America Annual Meeting. Miami, FL. November 22, 2014.
- 7) *Innovation in Sexual Dysfunction – Future Therapies*. Sexual Medicine Society of North America Annual Meeting, San Antonio, TX. October 26, 2017.
- 8) *Take Home Message – Basic Science*. Sexual Medicine Society of North America Annual Meeting, San Antonio, TX. October 26, 2017.
- 9) *A (Free) Radical View of Vascular Health Protection*. Florida State University, Department of Nutrition, Food, and Exercise Science, Tallahassee, FL. December 2017.

## INVITED JOURNAL REVIEWER

- Journal of Sexual Medicine
- International Journal of Cell Biology
- Minerva Urologica e Nefrologica
- Biomolecules

- Journal of Urology
- Applied Physiology, Nutrition, and Metabolism
- Antioxidants
- Current Diabetes Reviews
- Geriatrics
- Scientific Reports
- Nutrients
- Asian Journal of Andrology
- Sports
- Cell Biology International
- Medical Sciences

## **COURSES TAUGHT**

- 1) EXSS 3805 Physiology of Exercise (Spring 2010, 29 Students) – East Carolina University, College of Health and Human Performance.
  - Created syllabus
  - Gave lectures
  - Wrote and graded exams
  - Administered final grades

## **ADVISING RESPONSIBILITIES**

- Steven Roseno, Undergraduate Research Student, Summer Semester, 2011
  - Next Step: Medical Student at East Carolina University School of Medicine
- Jillian Dawkins, Undergraduate Research Student, Spring Semester, 2012
  - Next Step: Masters Student in Anthropology at American University
- Michael Rouse, Summer Urology Research Endeavor (SURE) Student, Summer 2013
  - Next Step: Medical Student at University of Maryland School of Medicine
- Nathan Luke, Summer Urology Research Endeavor (SURE) Student, Summer 2014
  - Next Step: Medical Student at Oakland University School of Medicine
- Andrew Redmond, Visiting Medical Student from Royal College of Surgeons-Dublin, Ireland, Summer 2015

## **PROFESSIONAL SERVICE & LEADERSHIP**

- University of Louisville Graduate Student Council, *Representative* 2006-2008
- East Carolina University Kinesiology Graduate Student Organization, 2008-2012
  - *Vice President*, 2009-2010
    - Organized Inaugural KGSO Golf Tournament to raise funds to support student travel and the Captain Christopher Cash Memorial Foundation
- East Carolina University Graduate and Professional Student Senate, *Senator*, 2009-2010
- Johns Hopkins Post-Doctoral Association, 2013-present
  - *Social Committee Chair*, 2014-2016
    - Led a team of 4-6 people to organize various social, cultural, and networking events ranging in attendance from 15-300 people
    - Managed annual budget of \$1,500
    - Organized and captained postdoc intramural volleyball and dodgeball teams

- Research Retreat Organization Committee, 2014-2017
- *Co-President*, 2016-2017
  - Represent 1,500 postdoctoral fellows to the University administration
  - Allocated \$40,000 annual budget of the association
  - Run monthly board meeting of the association Executive Council
  - Provide oversight to seven committees and facilitate interactions with the Office of Postdoctoral Affairs, Professional Development and Career Office, and Office of International Services
  - Served on the search committee for the new position of Assistant Director of the JHMI Professional Development and Careers Office.
  - Lead planning and execution of annual research retreat
  - Interviewed / moderated Q + A session with Barbara Mikulski, 30 year United States Senator for the 2017 Johns Hopkins Postdoctoral Retreat
- Johns Hopkins University School of Medicine Faculty Senate, *Senator*, 2016-2017
- Johns Hopkins University Postdoc Advisory Board, *Member*, 2016-2017
- Johns Hopkins University School of Medicine Grievance Committee, *Member*, 2016-present
  - Oversaw a formal grievance proceeding of a postdoctoral fellow against their principal investigator
- Johns Hopkins School of Medicine Associate Dean of Postdoctoral Affairs Search Committee, *Member*, 2017
  - Reviewed and scored CVs and cover letters of applicants
  - Interviewed top six candidates and referred the top three to the Vice Dean of Education for final selection

## PROFESSIONAL MEMBERSHIPS

- American College of Sports Medicine, 2007-2013
- American Physiological Society, 2009-present
- American Heart Association, 2012-present
- International Society for Sexual Medicine, 2012-present
- American Urological Association, 2014-present
- Society for Redox Biology and Medicine, 2017-present

## CONFERENCE PRESENTATIONS

- 1) Maudar V, Hollis B, **Lafavor JD**, Miller JJ, Mokshagundam SP, Olive J. *Glucose Tolerance, Insulin Resistance, and Insulin Secretion in Subjects with Chronic Spinal Cord Injury – A Pilot Study*. Poster Presentation. Annual Meeting of the Endocrine Society, San Francisco, CA. June 2008.
- 2) **La Favor JD**, Hollis BC, Mokshagundam SL, Olive JL. *Carotid Arterial Stiffness and Inflammation in Spinal Cord Injured Subjects*. Poster Presentation. Southeastern meeting of the American College of Sports Medicine. Birmingham, AL. February 2009.
- 3) Hollis B, **Lafavor J**, Maudar V, Mokshagundam S, Olive, J. *Inflammation and Insulin Sensitivity in Spinal Cord Injured Subjects*. Oral Presentation. National meeting of the American College of Sports Medicine. Seattle, WA. May 2009. *Med Sci Sports Exerc*, 41 (Suppl): p-S73, 2009.

- 4) Maudar VM, **La Favor JD**, Hollis B, Barve SS, Miller JJ, Olive J, Mokshagundam SL. *Inflammatory Markers and Adipokines in Chronic Spinal Cord Injury*. Poster Presentation. Annual Meeting of the Endocrine Society. Washington, DC. June 2009.
- 5) **La Favor JD**, Hollis BC, Mokshagundam SL, Olive JL. February 2010. *Serum Adipokines and Insulin Sensitivity in Spinal Cord Injured Subjects*. Poster Presentation. Southeastern meeting of the American College of Sports Medicine. Greenville, SC.
- 6) Maudar V, **LaFavor J**, Hollis B, Gobejshvili L, Olive J, Barve S, Mokshagundam SL. *Alterations in Glucose Tolerance and Vascular Function in Subjects with Chronic Spinal Cord Injury: Association with Adipokines and Systemic Inflammation*. Poster Presentation. National Meeting of the American Diabetes Association. Orlando, FL. June 2010. *Diabetes* (Suppl): p-1644, 2010.
- 7) Gavin KM, Geyer GH, **LaFavor JD**, Hickner RC, Choi MD. *Adenosine Suppression of in-vivo Lipolysis in Obese Premenopausal Women*. Poster Presentation. National meeting of the American College of Sports Medicine. Baltimore, MD. June 2010. *Med Sci Sports Exerc* 42 (Suppl): p-S399, 2010.
- 8) **La Favor JD**, Frasier CR, Brown DA, Hickner RC, Wingard CJ. *Ten Days of Aerobic Exercise Enhances Aortic Endothelium Dependent Relaxation through Depressed NADPH-Oxidase Activity*. Poster Presentation. National meeting of the American College of Sports Medicine. Denver, CO. June 2011. *Med Sci Sports Exerc* 43 (Suppl): p-S508, 2011.
- 9) **La Favor JD**, Anderson EJ, Chaaban MP, Hickner RC, Wingard CJ. *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. Integrative Vascular Biology / McAllister Heart Institute Symposium. Chapel Hill, NC. March 2012.
- 10) Mattox T, Fisher-Wellman KH, Katunga LA, Thayne K, **La Favor J**, Hickner RC, Wingard CJ, Anderson EJ. *Differential Adaptations to High-calorie, Western-pattern Diet and Exercise Training in Redox Status and Mitochondria of Heart and Skeletal Muscle*. Poster Presentation. Integrative Vascular Biology / McAllister Heart Institute Symposium. Chapel Hill, NC. March 2012.
- 11) **La Favor JD**, Anderson EJ, Chaaban MP, Hickner RC, Wingard CJ. *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*. Oral Presentation. Research & Creative Achievement Week. Greenville, NC. March 2012.
- 12) Burgess S, **La Favor J**, Wingard CJ, Bareiss SK. *Early Markers for Painful Diabetic Neuropathy in Rats Exposed to High Fat/High Sucrose Diet*. Poster Presentation. Research & Creative Achievement Week. Greenville, NC. March 2012.
- 13) **La Favor J**, Anderson E, Chaaban M, Hickner R, Wingard C. *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. Experimental Biology. San Diego, CA. April 2012. *FASEB J* 26 (Suppl): 866.13, 2012.

- 14) Anderson EJ, Mattox T, Fisher-Wellman KH, **La Favor J**, Hickner RC, Wingard CJ. *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. Experimental Biology. San Diego, CA. April 2012. *FASEB J* 26 (Suppl): LB749, 2012.
- 15) **La Favor JD**, Kraus RM, Gavin TP, Hickner RC. *Acute Exercise Training Enhances Resting Microvascular Nutritive Exchange; Nitric Oxide and  $\alpha$ -Adrenergic Mediated Mechanisms*. Poster Presentation. National meeting of the American College of Sports Medicine. San Francisco, CA. June 2012. *Med Sci Sports Exerc* 44 (Suppl): p-S241, 2011.
- 16) **La Favor JD**, Anderson EJ, Hickner RC. *Elevated NADPH Oxidase Activity Links Endothelial Dysfunction to ROS in Obese Human Skeletal Muscle*. Poster Presentation. Southeastern meeting of the American College of Sports Medicine. Greenville, SC. February 2013.
- 17) **La Favor JD**, Anderson EJ, Dawkins JT, Hickner RC, Wingard CJ. *Exercise Prevents Western-Diet Associated Erectile and Coronary Artery Endothelial Dysfunction Mediated by NADPH Oxidase*. Poster Presentation. Experimental Biology. Boston, MA. April 2013. *FASEB J* 27 (Suppl): 712.18, 2013.
- 18) **La Favor JD**, Anderson EJ, Hickner RC. *A Novel Method to detect in vivo Oxidant Production Reveals Microvascular Endothelial Dysfunction Linked to NADPH Oxidase in Obese Human Skeletal Muscle*. Poster Presentation. Experimental Biology. Boston, MA. April 2013. *FASEB J* 27(Suppl): 1202.13, 2013.  
\* **Awarded EEP section travel award.**
- 19) **La Favor JD**, Burnett AL. *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. Experimental Biology. San Diego, CA. April 2014. *FASEB J* 28 (Suppl): LB688, 2014.
- 20) Musicki B, Hannan JL, Lagoda G, **La Favor JD**, Bivalacqua TJ, Burnett AL. *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*. Poster Presentation. Sexual Medicine Society of North America. Miami, FL. November 2014. *J Sex Med* 12 (Suppl): 107-108, 2015.
- 21) **La Favor JD**, Luke NA, Hannan JL, Burnett AL. *Western Diet Increases Penile in vivo Reactive Oxygen Species Independent of Fibrotic Signaling*. Poster Presentation. Sexual Medicine Society of North America. Miami, FL. November 2014. *J Sex Med* 12 (Suppl):180, 2015.
- 22) Kretchman R, Burgess S, **La Favor J**, Wingard CJ, Bareiss SK. *Aerobic Exercise as a Therapeutic Tool to Reduce Early Markers of Painful Neuropathy Following Exposure to a High Fat/High Sucrose Diet*. Poster Presentation. Combined Sections Meeting of the American Physical Therapy Association. Indianapolis, IN. February 2015.



- 23) **La Favor JD**, Luke NA, Hannan JL, Burnett AL. *Western Diet Increases Penile in vivo Reactive Oxygen Species: Investigation of Antioxidant Defense*. Poster Presentation. Experimental Biology. Boston, MA. March 2015. *FASEB J* 29 (Suppl): 1046.5, 2015.
- 24) Luke, NA, Burnett AL, **La Favor JD**. *Mitochondrial Redox Imbalance in Western Diet Induced Erectile Dysfunction*. Poster Presentation. University of Maryland Undergraduate Research Day. College Park, MD. April 2015.
- 25) **La Favor JD**, Bivalacqua TJ, Burnett AL. *S-Nitrosoglutathione Reductase (GSNOR) Protects Against Western Diet Induced Reactive Oxygen Species Production and Erectile Dysfunction*. Oral Presentation. Sexual Medicine Society of North America. Las Vegas, NV. November 2015. *J Sex Med* 13 (Suppl):S36, 2016. \* **Awarded Top Abstract**.
- 26) Karakus S, Musicki B, **La Favor JD**, Burnett AL. *PKA Agonist Colforsin Recovers Erectile Function and Promotes nNOS Signaling in the Penis in Cavernous Nerve Injury Rat Model*. Oral Presentation. Sexual Medicine Society of North America. Las Vegas, NV. November 2015. *J Sex Med* 13 (Suppl):S35, 2016.
- 27) Redmond A, **La Favor J**, Burnett A. *Valproic Acid Improves Erectile Function in an Animal Model of Radical Prostatectomy*. International Conference for Healthcare and Medical Students. Dublin, Ireland. February 2016.
- 28) **La Favor JD**, Fu Z, Bivalacqua TJ, Van Eyk JE, Burnett AL. *Molecular Targets for Nitric Oxide Deficient Priapism*. Poster Presentation. Experimental Biology. San Diego, CA. April 2016. *FASEB J* 30 (Suppl): 1260.4, 2016.
- 29) Hickner RC, Dubis GS, Yan H, White J, Anderson EJ, **La Favor JD**. *Exercise Training Effects on Elevated NOX-Dependent ROS and Microvascular Endothelial Dysfunction in Obese Humans*. Moderated Poster Presentation. National Meeting of the American College of Sports Medicine. Boston, MA. June 2016.
- 30) Musicki B, Lagoda G, Goetz T, **La Favor J**, Burnett A. *Transnitrosylation in Nitric Oxide-Mediated Penile Erection*. Oral Presentation. Sexual Medicine Society of North America. Scottsdale, AZ. November 2016. *J Sex Med* 14 (Suppl): e31, 2017.
- 31) **La Favor JD**, Ranek MJ, Bivalacqua TJ, Kass DA, Burnett AL. *Cysteine 42 of Protein Kinase G 1 $\alpha$  is Critical for Erection Generation*. Oral Presentation. Sexual Medicine Society of North America. Scottsdale, AZ. November 2016. *J Sex Med* 14 (Suppl): e29-e30, 2017. \* **Awarded Top Abstract**.
- 32) **La Favor JD**, Soetkamp D, Venkatraman V, Bivalacqua TJ, Van Eyk JE, Burnett AL. *Excessive Thiol Nitrosylation Predisposes to Western Diet-Induced Redox Imbalance and Erectile Dysfunction*. Poster Presentation. Experimental Biology. Chicago, IL. April 2017. *FASEB J* 31 (Suppl): LB811. 2017.