

UCF Faculty AcCOMplishments

July - September 2017

Publications

- Bengtson HN, Homolka S, Niemann S, Reis AJ, da Silva PE, Gerasimova YV, Kolpashchikov DM, **Rohde KH**. Multiplex detection of extensively drug resistant tuberculosis using binary deoxyribozyme sensors. *Biosens Bioelectron*. 2017 Aug 15;94:176-183. doi: 10.1016/j.bios.2017.02.051. <https://www.ncbi.nlm.nih.gov/pubmed/28284077>
- **Davey, DD**. Bethesda cervical cytology interobserver reproducibility: have we reached the sweet spot? *J Am Soc Cytopathol* (July) 6:127-130. <http://dx.doi.org/10.1016/j.jasc.2017.05.002>
- Gesing A, Wiesenborn D, Do A, Menon V, Schneider A, Victoria B, Stout MB, Kopchick JJ, Bartke A, **Masternak MM**. A Long-lived Mouse Lacking Both Growth Hormone and Growth Hormone Receptor: A New Animal Model for Aging Studies. *J Gerontol A Biol Sci Med Sci*. 2017 Aug 1;72(8):1054-1061. doi: 10.1093/gerona/glw193. <https://www.ncbi.nlm.nih.gov/pubmed/27688483>
- **Gillum S**. American Heart Association e-Books Platform: A Review. *Journal of Electronic Resources in Medical Libraries*, 2017; DOI: 10.1080/15424065.2017.1368426 <https://doi.org/10.1080/15424065.2017.1368426>
- **Gillum S**. StayFocusd. In: Mallon M. Work/Life Flexibility. *Public Services Quarterly*. 2017; 13:3, 168-177, DOI: 10.1080/15228959.2017.1338542. <https://doi.org/10.1080/15228959.2017.1338542>
- **Hoffmann M**. Assembly of the Executive Mind: Evolutionary Insights and a Paradigm for Brain Health. *Cambridge University Press* (accepted September 2017).
- **Hoffmann M**. The non-anatomic exam: psychogenic syndromes and malingering. In **Ganti L**, Goldstein J (eds). Neurologic emergencies: How to do a fast-focused evaluation of any neurologic complaint. *Springer, New York*.
- Hsu E, **Parthasarathy S**. Anti-inflammatory and Antioxidant Effects of Sesame Oil on Atherosclerosis: A Descriptive Literature Review. *Cureus*. 2017 Jul 6;9(7):e1438. doi: 10.7759/cureus.1438. <https://www.ncbi.nlm.nih.gov/pubmed/28924525>
- **Klapheke M**, **Pasarica M**. Opioid risk mitigation strategies and overdose resuscitation. *MedEdPORTAL Publications*. 2017;13:10621. https://doi.org/10.15766/mep_2374-8265.10621
- Li Q, **King SJ**, Xu J. Native kinesin-1 does not bind preferentially to GTP-tubulin-rich microtubules in vitro. *Cytoskeleton (Hoboken)*. 2017 Sep;74(9):356-366. doi: 10.1002/cm.21386. Epub 2017 Jul 24. <https://www.ncbi.nlm.nih.gov/pubmed/28699205>
- **Ma, Z. & Davidson, V.L**. Ascorbate protects the di-heme enzyme, MauG, against self-inflicted oxidative damage by an unusual antioxidant mechanism. *Biochemical Journal*. 474, 2563-2572. doi: 10.1042/BCJ20170349 <https://doi.org/10.1042/BCJ20170349>
- Martyniak K, **Masternak MM**. Changes in adipose tissue cellular composition during obesity and aging as a cause of metabolic dysregulation. *Exp Gerontol*. 2017 Aug;94:59-63. doi: 10.1016/j.exger.2016.12.007. Epub 2016 Dec 9. <https://www.ncbi.nlm.nih.gov/pubmed/27939445>
- Molins CR, Ashton LV, Wormser GP, Andre BG, Hess AM, Delorey MJ, Pilgard MA, Johnson BJ, Webb K, Islam MN, Pegalajar-Jurado A, Molla I, **Jewett MW**, Belisle JT. Metabolic differentiation of early Lyme disease from southern tick-associated rash illness (STARI). *Sci Transl Med*. 2017 Aug 16;9(403). pii: eal2717. doi: 10.1126/scitranslmed.aal2717. <https://www.ncbi.nlm.nih.gov/pubmed/28814545>
- **Pasarica M**, **Topping DB**. Innovative Education of Patient Care Competencies in Lifestyle Medicine: a Collaborative Learning Activity for the Prevention of Cardiovascular Events. *Medical Science Educator*. <https://link.springer.com/article/10.1007%2Fs40670-017-0475-4>
- **Pasarica M**. Letter from the Guest Editor. Obesity management. *Florida Family Physician Journal*. Vol 66, Issue 3, Fall 2017 <http://www.fafp.org/journal>

UCF Faculty AcCOMplishments

July - September 2017

Publications Continued

- Rossi FH, Rossi EM, **Hoffmann M** et al. Permanent Cerebellar Degeneration After Acute Hyperthermia with Non-toxic Lithium Levels: a Case Report and Review of Literature. *Cerebellum* 2017. doi: 10.1007/s12311-017-0868-3. <https://www.ncbi.nlm.nih.gov/pubmed/28593454>
- Sun LY, Fang Y, Patki A, Koopman JJ, Allison DB, Hill CM, **Masternak MM**, Darcy J, Wang J, McFadden S, Bartke A. Longevity is impacted by growth hormone action during early postnatal period. *Elife*. 2017 Jul 4;6. pii: e24059. doi: 10.7554/eLife.24059. <https://www.ncbi.nlm.nih.gov/pubmed/28675141>
- **Taliaferro LA**, Muehlenkamp JJ. Nonsuicidal self-injury and suicidality among sexual minority youth: risk factors and protective connectedness factors. *Academic Pediatrics*, 2017; 17(7):715-722. <https://www.ncbi.nlm.nih.gov/pubmed/28865597>
- Tavakoli Dargani Z, Singla R, Johnson T, Kukreja RC, **Singla DK**. Exosomes Derived from Embryonic Stem Cells inhibit Doxorubicin and Inflammation induced Pyroptosis in Muscle cells. *Can J Physiol Pharmacol*. 2017 Sep 19. doi: 10.1139/cjpp-2017-0340. <https://www.ncbi.nlm.nih.gov/pubmed/28926719>
- Wang Y, Goodison S, **Li X**, Hu H. Prognostic cancer gene signatures share common regulatory motifs. *Sci Rep*. 2017 Jul 6;7(1):4750. doi: 10.1038/s41598-017-05035-3. <https://www.ncbi.nlm.nih.gov/pubmed/28684851>
- Wu J, LeDuc P, **Steward R Jr**. How can we predict cellular mechanosensation?: Comment on "Cellular mechanosensing of the biophysical microenvironment: A review of mathematical models of biophysical regulation of cell responses" by Bo Cheng et al. *Phys Life Rev*. 2017 Sep 1. pii: S1571-0645(17)30139-2. doi: 10.1016/j.plrev.2017.08.013. <https://www.ncbi.nlm.nih.gov/pubmed/28890169>

Presentations

- **Dr. Salvador Almagro-Moreno**
 - *The VBNC paradigm. Viability: How dead is dead?* Shared keynote with Dr. Rita R. Colwell at the "How dead is dead" international bacterial dormancy and environmental persistence conference held in Vienna, Austria. September 2017.
 - *Proteolysis of virulence regulator ToxR mediates entry of Vibrio cholerae into a viable but nonculturable state.* Invited Oral Presentation at the "How dead is dead" international bacterial dormancy and environmental persistence conference held in Vienna, Austria. September 2017.
- **Dr. Bethany Ballinger**
 - *Does a urinalysis aid in emergency medicine disposition?* **Ballinger B**, Anand A, **Ganti L**. Abstract accepted at the European Society of Emergency Medicine, Athens Greece. September 23-28, 2017.
 - *How does a routine urinalysis impact length of stay in the emergency department?* **Ballinger B**, Anand A, **Ganti L**. Abstract accepted at the European Society of Emergency Medicine, Athens Greece. September 23-28, 2017.
- **Dr. Karl Chai**
 - *What does matriptase not cut?* Invited speaker at the American Society for Biochemistry and Molecular Biology 2017 Membrane-Anchored Serine Proteases Symposium. September 14-17, 2017.
- **Dr. Limei Chen**
 - *Matriptase cleaves activated Her-2 at the plasma membrane and confers Herceptin resistance.* Poster presentation at the American Society for Biochemistry and Molecular Biology 2017 Membrane-Anchored Serine Proteases Symposium. September 14-17, 2017.

UCF Faculty AcCOMplishments

July - September 2017

Presentation Continued

- **Dr. Zixi Jack Cheng**
 - *Chronic Intermittent Hypoxia: Functional and Anatomical Plasticity in the Cardiac Vagal Axis*. Oral presentation at the China Heart Congress 2017. August 10-13, 2017.
- **Dr. Victor Davidson**
 - *Ascorbate protects the di-heme enzyme, MauG, against self-inflicted oxidative damage by an unusual antioxidant mechanism*. Invited speaker at the Annual Meeting of the International Academy of Cardiovascular Sciences (IACS), Orlando, FL. August 2017.
- **Dr. Bill DeCampi**
 - Co-chaired the 5th Annual Meeting of the International Academy of Cardiovascular Sciences (IACS): North American Section (CV Forum for promoting Centers of Excellence and Young Investigators) on August 31st to September 2nd.
- **Dr. Tina Dow**
 - *Determining the efficacy of dopamine agonist, Cabergoline, and dopamine antagonist, Domperidone, for treating ovarian acyclicity in African elephants (*Loxodonta africana*)*. Presented at the International Society of Wildlife Endocrinologists Conference. August 15, 2017.
- **Dr. Latha Ganti**
 - *Does a urinalysis aid in emergency medicine disposition?* **Ballinger B**, Anand A, **Ganti L**. Abstract accepted at the European Society of Emergency Medicine, Athens Greece. September 23-28, 2017.
 - *How does a routine urinalysis impact length of stay in the emergency department?* **Ballinger B**, Anand A, **Ganti L**. Abstract accepted at the European Society of Emergency Medicine, Athens Greece. September 23-28, 2017.
 - *Determinants of pediatric arrest outcomes*. **Banerjee P**, Singh A, **Ganti L**. Abstract accepted at the European Society of Emergency Medicine, Athens Greece. September 23-28, 2017.
- **Dr. Michael Hoffman**
 - *Mild Cognitive Impairment (MCI) – Causes, Diagnosis and Management*, Fall 2017.
 - *Brain Health and Fitness Maintenance*, Fall 2017.
- **Dr. Martin Klapheke**
 - *Medical Education Response to the Opioid Public Health Crisis*. Podcast interview on Glen McNeil, COVER2 Resources. July 18, 2017. <https://cover2.org/ep-115-increasing-education-prescribing-dr-martin-klapheke-university-central-florida/>
 - *Update on the Opioid Public Health Crisis*, Presentation at the Council of Florida Medical School Deans, in Orlando FL. August 5, 2017.
- **Dr. Manette Monroe**
 - *Equine-Assisted Activities and Therapies (EAAT) Improve Mindfulness in Medical Students*. Poster presentation at the Messukeskus Expo and Convention Centre in Helsinki, Finland. August 26-30, 2017.
- **Dr. Sampath Parthasarathy**
 - Co-chaired the 5th Annual Meeting of the International Academy of Cardiovascular Sciences (IACS): North American Section (CV Forum for promoting Centers of Excellence and Young Investigators) on August 31st to September 2nd.

UCF Faculty AcCOMplishments

July - September 2017

Presentations Continued

- **Dr. Shadab Siddiqi**
 - *Pre-chylomicron Transport Vesicles: In Memory of Dr. Charles Mansbach*. Invited talk at the FASEB Science Research Conference on "Molecular, Physiological and Therapeutic Studies of Intestinal Lipid Transport and Metabolism". July 23-28, 2017.
- **Dr. Dinender Singla**
 - Co-chaired the 5th Annual Meeting of the International Academy of Cardiovascular Sciences (IACS): North American Section (CV Forum for promoting Centers of Excellence and Young Investigators) on August 31st to September 2nd.
- **Dr. Julia Soulakova**
 - *Behavioral Interventions for Smoking Cessation Used by Daily Smokers*. **Leonardo S, Tang C, Soulakova J**. Poster Presentation at the 2017 Joint Statistical Meetings in Baltimore, MD. August 2017.
 - *Disregarding Survey Sampling Method When Analyzing Complex Surveys Can Jeopardize Research Findings*. **Tang C and Soulakova J**. Poster Presentation at the 2017 Joint Statistical Meetings in Baltimore, MD. August 2017.
 - *Exposure to secondhand smoke among children living with a single parent who smokes*. **Leonardo S, Ha T, Soulakova J**. Presentation at the 9th Annual Graduate Research Colloquium at UCF College of Medicine in Orlando, FL. August 2017.
 - *How does Florida Compare to the Other U.S States in Terms of Support for Smoking Cessation at Workplace?* **Mai Y and Soulakova J**. Presentation at the 9th Annual Graduate Research Colloquium at UCF College of Medicine in Orlando, FL. August 2017.
 - *The importance of adjusting for multi-stage design when analyzing data from complex surveys*. **Ha T and Soulakova J**. Presentation at the 9th Annual Graduate Research Colloquium at UCF College of Medicine in Orlando, FL. August 2017.
 - *Mediation analysis in Public Health*. **Pham T and Soulakova J**. Presentation at the Big Data Seminar at the UCF Statistics Department in Orlando, FL. September 2017.
- **Dr. Marcy Verduin**
 - *Career Development 101: Strategies for Success in Finding and Working with Mentors*. Workshop Presentation at the Association for Academic Psychiatry Annual Meeting in Denver, Colorado. September 7, 2017.

Awards, Recognition, and Service

- **Dr. Salvador Almagro-Moreno**
 - Received a grant from United States-Israel Binational Science Foundation Foreign for Genomic adaptations of *Vibrio vulnificus* allowing host microbiome invasion during pathogenic infection
- **Dr. Debopam Chakrabarti**
 - Received a grant from NIH/DHHS for Discovery of Antimalarials with Novel Mechanism of Action

UCF Faculty AcCOMplishments

July - September 2017

Awards, Recognition, and Service Continued

- **Dr. Manette Monroe**
 - Received PATH International Accreditation - <https://www.youtube.com/watch?v=xi80w74a6LU&t=125s>
 - Appeared on Channel 9 ABC Orlando - <http://www.wftv.com/news/local/horses-therapy-program-for-veterans-earns-international-accreditation/586481909>
 - Appeared on WFTV Channel 9 on August 9th at 4:25 PM to discuss Horses and Heroes, the College of Medicine's partnership equine therapy program for veterans
- **Dr. Magdalena Pasarica**
 - KNIGHTS clinic is a finalist of the 2017 Florida Campus Compact Award in the Campus-Community Partnership Award Sector.
- **Dr. Richard Pepler**
 - Appointed to serve as Interim Vice Dean.
- **Dr. Saleh Rahman**
 - Appointed to serve as Interim Assistant Dean for Diversity and Inclusion
- **Dr. Amber Southwell**
 - Awarded the Most Influential Huntington Disease Paper of 2016-2017 by HD Insights, a publication of the Huntington Study Group.
- **Dr. Marcy Verduin**
 - Began term as President of the Association for Academic Psychiatry
 - Began term as member of the AAMC Careers in Medicine Advisory Committee