

UCF Faculty AcCOMplishments

January – March 2016

Publications

- ❖ Albury-Warren TM, Pandey V, Spinel LP, **Masternak MM**, **Altomare DA**. (January 2016) Prediabetes linked to excess glucagon in transgenic mice with pancreatic active AKT1. *J Endocrinol*. 2016 Jan;228(1):49-59. doi: 10.1530/JOE-15-0288. <https://www.ncbi.nlm.nih.gov/pubmed/26487674>
- ❖ Aluganti Narasimhulu C, Litvinov D, Sengupta B, Jones D, Sai-Sudhakar C, Firstenberg M, Sun B, **Parthasarathy S**. (March 2016) Increased presence of oxidized low-density lipoprotein in the left ventricular blood of subjects with cardiovascular disease. *Physiol Rep*. 2016 Mar;4(6). pii: e12726. doi: 10.14814/phy2.12726. Epub 2016 Mar 31. <http://www.ncbi.nlm.nih.gov/pubmed/27033448>
- ❖ **Bassiouni R**, Nemec KN, Iketani A, Flores O, Showalter A, Khaled AS, Vishnubhotla P, Sprung R, Kaitanis C, Perez JM, **Khaled AR**. (March 2016) Chaperonin Containing-TCP-1 Protein Level in Breast Cancer Cells Predicts Therapeutic Application of a Cytotoxic Peptide. *Clin Cancer Res*. 2016 Mar 24. pii: clincanres.2502.2015. <http://www.ncbi.nlm.nih.gov/pubmed/27012814>
- ❖ Birs A, Liu X, Nash B, Sullivan S, Garriss SN, Hardy M, Lee MW, **Simms-Cendan J**, **Pasarica M** (February 2016) Medical Care in a Free Clinic: A Comprehensive Evaluation of Patient Experience, Incentives, and Barriers to Optimal Medical Care with Consideration of a Facility Fee. Birs A, Liu X, Nash B, Sullivan S, Garriss S, Hardy M, Lee M, Simms-Cendan J, Pasarica M. *Cureus*. 2016 Feb 19;8(2):e500. doi: 10.7759/cureus.500. <http://www.ncbi.nlm.nih.gov/pubmed/27014534>
- ❖ Blanco M, Coplit L, Fornari A, Greenberg L, Metzger K, Pasquale S, Shapiro J, Willett L, Vasan N, **Herring P**, Spak J. (March 2016) AAMC Annotated Bibliography of Journals for Educational Scholarship <https://www.aamc.org/download/456646/data/annotated-bibliography-of-journals-march-2016.pdf>
- ❖ Chaaya G, Jaller-Char J, Ghaffar E, **Castiglioni A**. (March 2016) Rivaroxaban-induced leukocytoclastic vasculitis: A challenging rash. *Ann Allergy Asthma Immunol*. 2016 Mar 24. pii: S1081-1206(16)30050-3. doi:10.1016/j.anai.2016.03.012. <https://www.ncbi.nlm.nih.gov/pubmed/27017562>
- ❖ Cole AL, Muthukrishnan G, Chong C, Beavis A, Eade CR, Wood MP, Deichen MG, **Cole AM**. (February 2016) Host innate inflammatory factors and staphylococcal protein A influence the duration of human *Staphylococcus aureus* nasal carriage. *Mucosal Immunol*. 2016 Feb 3. doi: 10.1038/mi.2016.2. <http://www.ncbi.nlm.nih.gov/pubmed/26838052>
- ❖ **Cuscela D**. (January 2016) Treatment Under the World's Largest X-Ray Tube, A Rare Photo and Glimpse Into the Past. *International Journal of Radiation Oncology • Biology • Physics*, Volume 94, Issue 1, 15 <https://www.ncbi.nlm.nih.gov/pubmed/26700698>
- ❖ **Dexter N**. (January 2016) "Born Digital": A Tale of New and Developing Health Sciences Libraries. *MLA News*. Jan 12 2016.
- ❖ Dow BA, **Davidson VL**. (January 2016) Converting the bis-FelV state of the diheme enzyme MauG to Compound I decreases the reorganization energy for electron transfer. *Biochem J*. 2016 Jan 1;473(1):67-72. doi: 10.1042/BJ20150998. Epub 2015 Oct 22. <http://www.ncbi.nlm.nih.gov/pubmed/26494530>
- ❖ Gray J, **Zhao J**. (February 2016). Implications of Epithelial–Stromal Interaction 1 in Diseases Associated with Inflammatory Signaling. *Cell Communication Insights* 2016;8 1-6.DOI: 10.4137/CCI.S33397. <http://www.la-press.com/implications-of-epithelialstromal-interaction-1-in-diseases-associated-article-a5424>
- ❖ Hatcher J, Gu H, **Cheng ZJ**. (January 2016) SOD1 Overexpression Preserves Baroreflex Control of Heart Rate with an Increase of Aortic Depressor Nerve Function. *Oxid Med Cell Longev*. 2016;2016:3686829. doi: 10.1155/2016/3686829. <http://www.ncbi.nlm.nih.gov/pubmed/26823951>
- ❖ Hill CM, Fang Y, Miquet JG, Sun LY, **Masternak MM**, Bartke A. (March 2016) Long-lived hypopituitary Ames dwarf mice are resistant to the detrimental effects of high-fat diet on metabolic function and energy expenditure. *Aging Cell*. 2016 Mar 17. doi: 10.1111/acer.12467. <http://www.ncbi.nlm.nih.gov/pubmed/26990883>
- ❖ Hirumi A, Kleinsmith A, Johnsen K, Kubovec S, Eakins M, Bogert K, Rivera-Gutierrez DJ, Lok B, **Cendan JC**. (February 2016). Advancing virtual patient simulations through design research and interPLAY: Part I: design and development. *Education Tech Research Dev* 2016, DOI 10.1007/s11423-016-9429-6. <http://link.springer.com/article/10.1007/s11423-016-9429-6>
- ❖ **Kay D**, **Kibble J**. (March 2016) Learning theories 101: application to everyday teaching and scholarship. *Adv Physiol Educ*. 2016 Mar;40(1):17-25. doi: 10.1152/advan.00132.2015. <https://www.ncbi.nlm.nih.gov/pubmed/26847253>
- ❖ Lamperska KM, Kozłowski P, Kolenda T, Teresiak A, Blizniak R, Przybyla W, **Masternak MM**, Golusinski P, Golusinski W. (January 2016) Unpredictable changes of selected miRNA in expression profile of HNSCC. *Cancer Biomark*. 2016 Jan 18;16(1):55-64. doi: 10.3233/CBM-150540. <http://www.ncbi.nlm.nih.gov/pubmed/26484611>
- ❖ Mukherjee D, Lu H, Yu L, He C, Lahiri SK, Li T, **Zhao J**. (March 2016) Krüppel-like factor 8 activates the transcription of C-X-C cytokine receptor type 4 to promote breast cancer cell invasion, transendothelial migration and metastasis. *Oncotarget*. 2016 Mar 14. doi: 10.18632/oncotarget.8083. <http://www.ncbi.nlm.nih.gov/pubmed/26993780>

"Coming together is a beginning. Keeping together is progress. Working together is success."

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UCF Faculty AcCOMplishments

January – March 2016

Publications

- ❖ Oyer JL, Pandey V, Igarashi RY, Somanchi SS, Zakari A, Solh MM, Lee DA, **Altomare DA** and **Copik AJ**. NK cells stimulated with PM21 particles expand and biodistribute in vivo: clinical implications for cancer treatment. *Cytotherapy*, (2016) 16(5);653-663
- ❖ Pandey V, Oyer JL, Igarashi RY, Gitto SB, **Copik AJ**, **Altomare DA**. (February 2016) Anti-ovarian tumor response of donor peripheral blood mononuclear cells is due to infiltrating cytotoxic NK cells. *Oncotarget*. 2016 Feb 9;7(6):7318-28. doi: 10.18632/oncotarget.6939. <https://www.ncbi.nlm.nih.gov/pubmed/26802025>
- ❖ Qasem A, Abdel-Aty A, Abu-Suwa H, **Naser SA**. (March 2016) Oxidative stress due to Mycobacterium avium subspecies paratuberculosis (MAP) infection upregulates selenium-dependent GPx activity. *Gut Pathog*. 2016 Mar 2;8:12. doi: 10.1186/s13099-016-0090-8. eCollection 2016. <http://www.ncbi.nlm.nih.gov/pubmed/26997979>
- ❖ **Rohde K.H.**, Michaels H.A., Nefzi, A. (March 2016) Synthesis and Antitubercular Activity of 1,2,4-Trisubstituted Piperazines. *Bioorganic and Medicinal Chemistry Letters*. 2016 May 1;26(9):2206-9. doi: 10.1016/j.bmcl.2016.03.063. Epub 2016 Mar 16. <http://www.ncbi.nlm.nih.gov/pubmed/27020522>
- ❖ Roessler CG, Agarwal R, Allaire M, Alonso-Mori R, Andi B, Bachega JF, Bommer M, Brewster AS, Browne MC, Chatterjee R, Cho E, Cohen AE, Cowan M1, Datwani S, **Davidson VL**, Defever J, Eaton B, Ellson R, Feng Y, Ghislain LP, Glownia JM, Han G, Hattne J, Hellmich J, Héroux A, Ibrahim M, Kern J, Kuczewski A, Lemke HT, Liu P, Majlof L, McClintock WM, Myers S, Nelsen S, Olechno J, Orville AM, Sauter NK, Soares AS, Soltis SM, Song H, Stearns RG, Tran R, Tsai Y, Uervirojnangkoorn M, Wilmot CM, Yachandra V, Yano J, Yukl ET, Zhu D, Zouni A. (March 2016) Acoustic Injectors for Drop-On-Demand Serial Femtosecond Crystallography. *Structure* 2016;24(4):631-640. doi: 10.1016/j.str.2016.02.007. <http://www.ncbi.nlm.nih.gov/pubmed/26996959>
- ❖ Staats P, **Davey, DD**. (February 2016) Tips for surviving and thriving in the Next Accreditation System. *Cancer Cytopathol*. 2016 Apr;124(4):229-30. doi: 10.1002/cncy.21691. Epub 2016 Feb 1. <https://www.ncbi.nlm.nih.gov/pubmed/27078178>
- ❖ **Singla D**, Wang J. (January 2016) Fibroblast Growth Factor-9 Activates c-Kit Progenitor Cells and Enhances Angiogenesis in the Infarcted Diabetic Heart. *Oxid Med Cell Longev*. 2016;2016:5810908. doi: 10.1155/2016/5810908. <http://www.ncbi.nlm.nih.gov/pubmed/26682010>
- ❖ **Singla DK**, Singla R, Wang J. (January 2016) BMP-7 Treatment Increases M2 Macrophage Differentiation and Reduces Inflammation and Plaque Formation in Apo E-/- Mice. *PLoS One*. 2016 Jan 29;11(1):e0147897. doi: 10.1371/journal.pone.0147897. eCollection 2016. <http://www.ncbi.nlm.nih.gov/pubmed/26824441>
- ❖ **Topping D**, Seegmiller J. (January 2016) Living Anatomy Small-Group Exercise. *MedEdPORTAL Publications*; 2016. Available from: <https://www.mededportal.org/publication/10315> http://dx.doi.org/10.15766/mep_2374-8265.10315
- ❖ Yoo SD, Park JS, Yun DH, Kim HS, Kim SK, Kim DH, Chon J, Je G, **Kim YS**, Chung JH, Chung SJ, Yeo JA. (February 2016) Polymorphism of Nitric Oxide Synthase 1 Affects the Clinical Phenotypes of Ischemic Stroke in Korean Population. *Ann Rehabil Med*. 2016 Feb;40(1):102-10. doi: 10.5535/arm.2016.40.1.102. Epub 2016 Feb 26. <http://www.ncbi.nlm.nih.gov/pubmed/26949676>

Presentations

Dr. Bellew

- ❖ *Understanding Medical Students' Perceptions of Medical Professionalism at Different Stages of Medical Education*. Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 20, 2016.
D Reimer, R Russell, **C Hernandez, C Bellew, JC Cendan, A Castiglioni**.

Dr. Castiglioni

- ❖ *Understanding Medical Students' Perceptions of Medical Professionalism at Different Stages of Medical Education*. Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 20, 2016.
D Reimer, R Russell, **C Hernandez, C Bellew, JC Cendan, A Castiglioni**.
- ❖ *A multi-level learner Objective Structured Clinical Examination (OSCE) simulating internal medicine bedside team interactions*. Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 19, 2016.
G Chaaya, **K King Morris, A Castiglioni**.
- ❖ *Rivaroxaban-induced Leukocytoclastic Vasculitis: Something to Keep in Mind*. Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 19, 2016.
G Chaaya, J Jaller-Char, E Ghaffar, **A Castiglioni**.

UCF Faculty AcCOMplishments continued...

January – March 2016

Presentations Continued

Dr. Cendan

- ❖ *Understanding Medical Students' Perceptions of Medical Professionalism at Different Stages of Medical Education.* Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 20, 2016.
D Reimer, R Russell, **C Hernandez, C Bellew, JC Cendan, A Castiglioni.**

Dr. Davidson

- ❖ *Remote Catalysis: Coupling Long Range Electron Transfer to Radical-Mediated Chemistry.* Invited seminar at the University of Alabama, Tuscaloosa, Alabama, February 2016

Dr. Davey

- ❖ *Performance Characteristics of Body Fluid Cytology (BFC): Analysis of 344,380 Responses from the College of American Pathologists (CAP) Non-Gynecologic Cytopathology Education (NGC) Program.* Poster Presentation, United States-Canadian Academy of Pathology, March 2016.
Tabatabai L, Nayar R, Sourers R, Nayar R, **Davey DD.**

Dr. Hernandez

- ❖ *Understanding Medical Students' Perceptions of Medical Professionalism at Different Stages of Medical Education.* Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 20, 2016.
D Reimer, R Russell, **C Hernandez, C Bellew, JC Cendan, A Castiglioni.**

Dr. Morris

- ❖ *A multi-level learner Objective Structured Clinical Examination (OSCE) simulating internal medicine bedside team interactions.* Regional Meeting, Southern Society of General Internal Medicine, Atlanta, February 19, 2016.
G Chaaya, **K King Morris, A Castiglioni.**

Dr. Rhode

- ❖ *Turning the Tide on TB with New Drugs and Diagnostics.* Invited talk at the University of Georgia, Department of Infectious Diseases, 2016.

Awards and Service

Dr. Altomare's Lab

- ❖ Learning Institute for Elders (LIFE at UCF) Gerontology Applied Research Award granted to student Sarah Gitto
- ❖ UCF Order of Pegasus Award granted to student Sarah Gitto
- ❖ Outstanding Student Leader Recognition by the UCF LEAD Scholar Academy recognizing student Sarah Gitto

Dr. Castiglioni

- ❖ Served as Mentoring Chair at the Regional Meeting of the Southern Society of General Internal Medicine in Atlanta, GA on February 18-20, 2016.
- ❖ Recognized as Institutional Champion by the Southern Society of General Internal Medicine.

Dr. Ratna Chakrabarti's Lab

- ❖ Student Samuel Harris received the first prize in Life Science II category for his poster "A study on the mechanism of loss of expression of microRNAs in cell lines developed from racially disparate patients".
- ❖ Student Alexia Bossan got honorable mention in Life Science I category for her poster "The function of FGD4 and its role in the development of drug-resistant prostate cancer".

Dr. Cole

- ❖ Inducted to the UCF's Scroll & Quill Society which recognizes educators whose outstanding and sustained achievements have brought national and international attention to the university.
- ❖ Received a R21 for his project titled: Augmenting innate immunity to combat nasal carriage of *Staphylococcus aureus*

Dr. Davidson

- ❖ Received the University of Central Florida 2016 Research Incentive Award

UCF Faculty AcCOMplishments continued...

January – March 2016

Awards and Service Continued

Ms. Dexter

- ❖ Named Librarian of the Year by the Florida Health Sciences Library Association.

Dr. Fernandez-Valle

- ❖ Received an award from the Children's Tumor foundation for her project titled: In Vivo Studies based on Cenix Data.

Dr. Gibson

- ❖ Appointed to the Editorial Board of the Journal of Molecular Diagnostics.

Dr. Gorman

- ❖ Awarded the American Society Pharmacology and Experimental Therapeutics Division of Educators Academy of Educators Award.
- ❖ Received life-time induction into the Academy of Educators in recognition for excellence in contributions to national pharmacology education in innovation, teaching, and educational scholarship.

Dr. Mollie Jewett

- ❖ Received the College of Medicine Award for Excellence in Research.

Dr. Travis Jewett

- ❖ Received a R21 for his project titled: Molecular dissection of the Chlamydia trachomatis Tarp effector invivo.

Dr. Kay

- ❖ Appointed as a Spring 2016 Fellow for UCF Center for Success of Women Faculty.

Dr. Khaled

- ❖ Received the UCF Reach for the Stars Award.

Dr. Self

- ❖ Inducted to the UCF's Scroll & Quill Society which recognizes educators whose outstanding and sustained achievements have brought national and international attention to the university.

Dr. Strutt

- ❖ Received a NIH NIAID R21 award for "Memory CD4 T Cell Regulation of Innate Lymphoid Cells"

Dr. Topping

- ❖ Nominated to the Educational Affairs Committee for the American Association of Anatomists for a three year term 2016-2019.

Dr. Willenberg

- ❖ Awarded Grand Challenges Explorations \$100,000 Grant From the Bill & Melinda Gates Foundation- Coloring Mosquitoes To Identify Those Carrying Infectious Diseases

Dr. Yoon-Seong Kim

- ❖ Received an award from the Michael J Fox Foundation for Parkinson's Research for his project titled: TET1 plays a key role as repressor in regulation of a-synuclein expression in Parkinson's disease.

Dr. Jihe Zhao

- ❖ Received the UCF 2016 Research Incentive Award