



LEADING CHANGE TO IMPROVE  
HEALTH

# 2012 Research DAY

22nd Annual  
USF Health Research Day

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Friday, February 24, 2012  
8 am until 5 pm

Sponsored By: Morsani College of Medicine, College of Nursing, College of Pharmacy,  
College of Public Health, School of Biomedical Sciences, School of Physical Therapy &  
Rehabilitation Sciences, and the Department of Internal Medicine



A Timeless Commitment... 22 Years of Celebrating Research

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**USF**<sup>®</sup>  
HEALTH

Making Life Better  
through Research, Education & Healthcare



**22<sup>nd</sup> Annual  
Research Day**  
Friday, February 24, 2012  
Marshall Student Center (MSC)

**AGENDA**

- 07:30a.m. – 08:30a.m. **MSC 2<sup>nd</sup> Floor Ballroom Lobby Area**  
Registration for Presenters  
Registration for all Judges
- 07:30a.m. - 09:30a.m. **MSC Hillsborough Room (Rm 2709)**  
Registration for Sunshine Education and Research Center and The Villages High School Students  
  
Continental Breakfast
- 08:30a.m. – 10:30a.m. **MSC Oval Theater**  
3<sup>rd</sup> Annual Joseph Krzanowski, PhD  
USF Health Invited Oral Presentations Session
- 09:00a.m. – 10:30a.m. **MSC Honors Room (Rm 2703)**  
Office of Undergraduate Research Presentation Session to The Villages High School Students
- 07:30a.m. – 10:00a.m. **MSC 2<sup>nd</sup> Floor Ballroom**  
Poster set up
- 10:30a.m. – 12:00p.m. Poster Presentation Judging Session
- 08:30a.m. – 10:00a.m. **MSC Hillsborough Room (Rm 2709)**  
Poster set up
- 10:30a.m. – 12:00p.m. Sunshine Education and Research Center and The Villages High School Presentation Session

- 12:00p.m. – 01:00p.m. **MSC Ballroom & Hillsborough Room (Rm 2709)**  
Lunch for Presenters and Judges  
Posters # 1-175, Ballroom  
Posters # 176-351, Hillsborough Room  
(Attendance badge required)
- 01:00p.m. – 04:00p.m. **MSC 2<sup>nd</sup> Floor Ballroom & Hillsborough Room**  
Posters available for viewing
- MSC Oval Theater**
- 01:00p.m. – 01:15p.m. Special Recognition:  
Distinguished USF Health Professorships
- 01:15p.m. – 02:15p.m. 16<sup>th</sup> Annual Roy H. Behnke Distinguished Lectureship
- Stephen B. Liggett, MD, University of Maryland**  
***“Personalized Medicine for Asthma: Role of Viral Genomic Variation”***
- 02:15p.m. – 03:15p.m. Awards Ceremony
- *Best Graduate Student Oral Presentation Award*
  - *The Watson Clinic Award to a Fourth Year Medical Student*
  - *Dr. Christopher P. Phelps Memorial Fund Annual Morsani COM Graduate Student Travel Award*
  - *Best Resident/Fellow Poster Presentation*
  - *Best Pediatric Children’s Health Poster Presentation*
  - *Outstanding Poster Presentation Awards by Category*
- 02:30p.m. – 03:30p.m. **Spirit Room (Rm 2707)**  
Sunshine ERC Meetings  
Dr. Bernard lecture
- 03:30p.m. – 04:30p.m. **MSC 2<sup>nd</sup> Floor Ballroom Lobby Area**  
Reception
- 04:00p.m – 04:30p.m. **MSC 2nd Floor Ballroom and Hillsborough Room**  
Remove Posters



**22<sup>nd</sup> Annual  
RESEARCH DAY**

*16th Annual*

*Roy H. Behrke Distinguished Lectureship*



**PLACE:**

**Marshall Student Center Oval Theater**

**TIME:**

1:00pm

**SPEAKER:**

Stephen B. Liggett, MD,  
Associate Dean for Interdisciplinary Research  
University of Maryland School of Medicine

**TITLE:**

*"Personalized Medicine for Asthma:  
Role of Viral Genomic Variation"*

*Sponsored by:*

Department of Internal Medicine, Morsani College of Medicine, USF

*16th Annual*  
*Roy H. Behrke Distinguished Lectureship*  
*Keynote Speaker*



Stephen B. Liggett, M.D.  
Associate Dean for Interdisciplinary Research  
Cardiopulmonary Genomics Program



*Personal History*

Dr. Liggett obtained a B.S. in Physics from the Georgia Institute of Technology and an M.D. from the University of Miami School of Medicine. He served an Internship, Residency (Internal Medicine) and Fellowship (Pulmonary, Critical Care Medicine) at Washington University School of Medicine/Barnes Hospital in St. Louis. These were followed by a four year, laboratory-based post-doctoral fellowship at the Howard Hughes Medical Institute at Duke University in the laboratory of Robert Lefkowitz. He subsequently became an Assistant Professor of Medicine and Pharmacology at Duke University, and then Professor of Medicine, Pharmacology and Molecular Genetics at the University of Cincinnati College of Medicine, where he was also Director of Pulmonary and Critical Care Medicine. After 13 years as Division Director, he became the Taylor Endowed Professor of Medicine and Director of the Cardiopulmonary Research Center at UC, where he concentrated on his basic and translational research programs. In 2005 he moved to the University of Maryland School of Medicine, where he is Professor of Medicine and Physiology and Director of the Cardiopulmonary Genomics Program.

*Research Interests*

The laboratory has five major interrelated sections: 1) the study of the molecular basis of G-protein coupled receptor structure and function, 2) delineation and characterization of human genetic variants within this receptor signaling network, 3) association studies of genetic variants with heart and lung disease and their response to treatment to develop a platform for genetically-based personalized medicine, 4) creation of genetically modified mice to define the mechanisms of heart and lung disease and "humanized mice" to explore the effects of genetic variation of human genes, and 5) determination of the full genome sequences of human Rhinoviruses using high throughput next-generation sequencing technologies; analysis of the relationships between viral genomes and asthma phenotypes. These studies have led to new paradigms in our understanding of how this superfamily of receptors (the largest in the human genome) carry out signaling, how they participate in the pathophysiology of congestive heart failure and asthma, and how a patient's genetic makeup can be used to tailor drug treatment.

*From the Desk of:*

**Phillip J. Marty, PhD**

Associate Vice President, USF Health  
Vice Dean for Research, Morsani College of  
Medicine



Dear USF Health/University Community:

This year marks the 22<sup>nd</sup> "USF Health Research Day" Anniversary that highlights the research work of our students, trainees, staff and faculty across USF Health. This is another banner year for participation from across USF Health and the University. We have several high school students presenting this year, with 16 coming from The Villages High School. The Villages is a community near Ocala, FL in which USF Health has developed a number of health promotion initiatives. We welcome the first College of Pharmacy presenters and the Sunshine Education and Research Center Section members as well as a record number of undergraduates. With the involvement of participants from multiple units within USF Health and across campus, USF Health Research Day has been transformed into a truly USF-wide celebration. This year a total of 361 presentations will be delivered which is up from 260 last year. From this total, ten student abstracts have been selected for oral presentation to be held during the morning of Research Day.

Another important aspect of our Research Day Program is the Annual Roy H. Behnke Distinguished Lectureship. Dr. Behnke, an early faculty member of the College of Medicine and founding chair of the Department of Internal Medicine, was a nationally recognized medical educator and consummate physician. His family established this lectureship to further research at USF Health and to invite an internationally recognized Health expert to provide the Research Day keynote address on a topic of special relevance to USF Health's students, trainees, staff and faculty. This year, Stephen B. Liggett, MD, will be delivering "Personalized Medicine for Asthma: Role of Viral Genomic Variation." Dr. Liggett is Professor of Medicine and Physiology, Director of the Cardiopulmonary Genomics Program, and Associate Dean for Translational Research at the University of Maryland, School of Medicine. Dr. Liggett is an internationally recognized leader in the field of G-protein coupled receptor biology, congestive heart failure, and asthma.

In the afternoon of Research Day, we not only hold the Behnke Distinguished Lectureship, but also recognize the most noteworthy presentations of our students and trainees through an awards ceremony. Individual awards for 4<sup>th</sup> year medical student, pre-doctoral, resident/fellow, child health, and neurosciences student awards will also be given. At this event, we will also recognize recipients who were promoted to Distinguished USF Health Professor in 2011.

With this 22<sup>nd</sup> Anniversary of Research Day, we continue to acknowledge the importance and value of research to USF Health and the University. Our goal is to continue to recognize, grow and enhance the research efforts of our students, trainees, staff and faculty. Our USF Health community has been instrumental in the continuing growth of research at the University of South Florida. We are committed to the goal of expanding the University's growth and quality of research. Research Day is but one of those special events during the year that recognizes the hard work of all our researchers and especially our students and trainees, and the great contribution they are making to the scientific advancement of their disciplines. It is an important day for this purpose and one we hope you will enjoy.



## **22<sup>ND</sup> Annual RESEARCH DAY**

### **SPONSORS**

- ❖ Morsani College of Medicine
- ❖ College of Nursing
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- ❖ School of Physical Therapy and Rehabilitation Sciences
- ❖ Department of Internal Medicine,  
Morsani College of Medicine



***A Special Thanks to our Patron Sponsors:***



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## *Oral Presentations*

| <b>Abs #</b> | <b>Name</b>        | <b>Title</b>  |
|--------------|--------------------|---|
| O-1          | Naif, Athar        | Polymorphisms in Folate Pathway Genes and Response to Methotrexate Treatment in Rheumatoid Arthritis  |
| O-2          | Bakour, Chighaf    | Obesity and Childhood Asthma: Does Breastfeeding Make a Difference? Analysis of Data from the 2007-2008 NHANES                                |
| O-3          | Michael, Ryan      | Source Attribution of Atmospheric Mercury Deposition to Tampa using Positive Matrix Factorization   |
| O-4          | Bailey, Antoinette | Aberrant T-lymphocyte Development and Function in Mice Overexpressing Human Secreted Amyloid Precursor Protein Alpha: Implications for Autism |
| O-5          | Trotter, Justin    | Coordinated Regulation of Dab1 by Fyn and Cdk5  |
| O-6          | Mallela, Jaya      | Natriuretic Peptide Receptor-A (NPRA) Signaling Modulates Tumor Angiogenesis  |
| O-7          | Contreras, Jessika | Screening Novel p75NTR targeted compounds that inhibit invasion for anti-angiogenic effect  |
| O-8          | Nichols, Gina      | Expression of BRCA1 Protein in Human Ovaries  |
| O-9          | Alijubran, Salman  | Enhancer of Zeste Homolog 2 induces Pulmonary Artery Smooth Muscle Cell Proliferation   |
| O-10         | Zhang, Xiaohui     | Pathologic Features of Concurrent Clonal T-cell Large Granular Lymphocytic Expansion and Myelodysplastic Syndromes                            |



## *Allergy, Immunology and Infectious Diseases Research*

|    |                          |  |
|----|--------------------------|--|
| 1  | Alexander, Lou-Ella M.M. | PRDM1/Blimp-1 Regulates Expression of Transcriptional Elongation Factor ELL3 in B-Cell Differentiation                         |
| 2  | Boyapalle, Sandhya       | Regulation of the Host Innate Immune Response by Respiratory Syncytial Virus (RSV) Nonstructural Protein 1                     |
| 3  | Cox Jr., Ruan            | Resolvin Inhibits the Cryopyrin/NLRP3 Inflammasome   |
| 4  | Cronin, Kevin            | HDAC Inhibitor Mediated Alterations in Peptide Occupancy of HLA-DR Molecules   |
| 5  | Flores-Torres, Jaime     | An Unconventional Look at Microbial Dysbiosis in the Gut   |
| 6  | Fukumoto, Jutaro         | Deletion of NALP3 Protects Against Hyperoxia-induced Acute Lung Injury   |
| 7  | Kratzer, Stella          | Regulation of Mitosis in the AIDS Pathogen, <i>Toxoplasma gondii</i>   |
| 8  | Lima, Amorice            | Attenuated Virulence of <i>B. henselae</i> Mutants in the Zebrafish Embryo Model   |
| 9  | Nelson, Allison          | MHC II Retrograde Signaling in MDSC  |
| 10 | Pantry, Shara            | Isolation and Sequencing of an Unrelated Strain from a Patient with Inherited Human Herpesvirus-6                              |
| 11 | Recio, Jesus             | Leukemia Inhibitory Factor Protects Oligodendrocytes from Ischemia through Akt Signaling Enhancing Antioxidant Gene Expression |
| 12 | Seifert, Hilary          | A Transient Decrease in Spleen Size Following Stroke Corresponds to Splenocyte Release into Systemic Circulation               |

- |    |                       |   |
|----|-----------------------|---|
| 13 | Teng, Michael         | Inhibition of AKT Kinase Activity Decreases Replication of Human Respiratory Syncytial Virus  |
| 14 | Tu, Nhan              | Regulation of Gene Expression in <i>Bartonella Henselae</i> by the General Stress Response  |
| 15 | Wang, Jia Wang        | miR-150 Inhibits Inflammation by Suppressing NKT Cells and Cytokine Production  |
| 16 | Wong , Terianne       | Respiratory syncytial virus (RSV)-Infected Elderly Mice Exhibit Impaired Expression and Activation of Pattern Recognition Receptors (PRR) |
| 17 | Venugopal, Rajan Babu | Mitochondrial Uncoupling protein-2 regulates NLRP3 Inflammasome   |



### ***Cancer Biology Research***

- |    |                    |   |
|----|--------------------|---|
| 18 | Barrios, Kelly     | Development of Novel and Effective Therapeutic Peptide Vaccines against HPV-Induced Tumors  |
| 19 | Clark, Whalen      | ADAM17-Mediated Cleavage Is Required For HPP1-Associated Tumor Suppression In Colorectal Cancer   |
| 20 | Cruz, Alex         | Optimizing Radiation Treatment Planning for Neuroendocrine Tumors with 3D Molecular/Anatomic Imaging  |
| 21 | Davis, Yvonne      | Growth of Cancer cells on a Functionalized Multilayered Nanofibrous Scaffold  |
| 22 | Frantz, Jean Louis | Bone Marrow-derived Mesenchymal Stem Cells Restored Tumorigenesis in Natriuretic Peptide Receptor A Knockout (NPRA-KO) Mice                               |
| 23 | Frost, Chelsea     | Novel Dual Inhibitors of Vascular Endothelial Growth Factor and VEGFR2 Receptor   |
| 24 | Kasiappan, Ravi    | 1,25-dihydroxyvitamin D3 prevents obesity associated ovarian cancer through miR-498 induction and the suppression of estrogen induced telomerase activity |
| 25 | Monta, Raphael     | Antitumor Activity of Genetically Modified Dendritic Cells  |
| 26 | Nelson, Nadine     | The Role of the Ikaros Family in Murine Pancreatic Adenocarcinoma   |
| 27 | Pathak, Ravi       | Bioinformatic Analysis Correlates PTEN Loss with Oncogenic Potential of Lung Epithelial Cells   |
| 28 | Pina, Yolanda      | Impact of 2-deoxy-D-glucose on Molecular Genomics Expression and as Adjuvant to Chemotherapy in the Treatment of Retinoblastoma                           |
| 29 | Schickler, Robyn   | Expression of Cytokeratin 19 (CK-19) in peripheral blood of women undergoing In Vitro Fertilization (IVF): a preliminary study                            |
| 30 | Woods, David       | Melanoma Progression is Inhibited by the Histone Deacetylase Inhibitor LBH589 by Direct Tumor Effects and Enhancement of the Immune Response              |
| 31 | Zgheib, Nadim Bou  | MK2206, a Selective AKT Inhibitor, Modulates Ovarian Cancer Cell Line Sensitivity to Carboplatin Plus Paclitaxel  |



### ***Cardiovascular Research***

- |    |                          |  |
|----|--------------------------|--|
| 32 | Ramanathan, Gurukumar K. | Novel Role of Mir-17 in Pulmonary Arterial Hypertension  |
| 33 | Shahaduzzaman, Md        | Fractalkine (CX3CL1) may be associated with human umbilical cord blood (HUCB) cell mediated neuroprotection in acute ischemic stroke |
| 34 | Snyder, Madeline         | Cardiac Dysfunction Exacerbated by Endocrinopathies in Friedreich's Ataxia   |



## *Chart Reviews and Other Case Studies*

- 35 Alberdi, Taylor Subcutaneous Hizentra® (20%) is Better Tolerated and Shares Similar Efficacy Compared to Subcutaneous Vivaglobin® (16%).
- 36 Ashraf, Noman Does 18-Fluorodeoxyglucose (FDG) Uptake By Positron Emission Tomography/Computed Tomography (PET/CT) Predict Survival in Advanced Pancreatic Cancer; A Single Institution Experience
- 37 Aslam, Sadaf Diabetic Nephropathy Develops Naturally in Non Human Primates: Similarities to Humans
- 38 Baillargeon, Alicia Utility of MRI in Diagnosis and Treatment response in Eosinophilic Fasciitis (WITHDRAWN)
- 39 Baumgarten, Adam Perioperative Blood-sparing Intravascular Occlusive Balloons during Primary and Revision Total Hip Replacement
- 40 Butt, Ahmed An Unusual Reaction to Intravenous Iron Sucrose
- 41 Chacko, Sharon Group Prenatal Care at Neighborhood Health Centers of the Lehigh Valley
- 42 Chan, Isabella Vaginal Birth After Cesarean (VBAC): Provider Perspectives and Maternal Decision-Making
- 43 Chuong, Michael Definitive IMRT-based Chemoradiation for Treatment of Squamous Cell Carcinoma of the Anal Canal
- 44 Clayman, Eric Silent, Pain-free Needle Punctures – The Resealing of Surgical Gloves After Puncture May Jeopardize the Health Care Provider
- 45 Cruz, Victor Adult-Onset Henoch-Schonlein Purpura: A Case Report with Unusual Manifestations.
- 46 Culverhouse, Susan Idiopathic Isolated Orbital Angioedema
- 47 Deneve, Jeremiah Predictors of Outcome in Patients with Recurrent Gastrointestinal Stromal Tumors
- 48 DeVito, Nicholas Patterns of Metastases and Correlation with Prognosis in Solitary Fibrous Tumor/Hemangiopericytoma at Moffitt Cancer Center
- 49 Domingo, Gelenis Two Red Herrings and a Sweet Catch
- 50 Frohman, Heather Prosthetic H-Graft Portacaval Shunts (HGPCS) Versus Transjugular Intrahepatic Portasystemic Stent Shunts (TIPS): 18-Year Follow-up of a Randomized Trial
- 51 Groundland, John Proximal Tibia Reconstructions with Megaprotheses for Tumor: an Initial Investigation of Implant Survival and Complications
- 52 Henderson-Jackson, Evita Cystic Prostatic Ductal Adenocarcinoma: An Unusual Presentation and Cytological Diagnosis
- 53 Jennette, Kyle Association of Rey Auditory Verbal Learning Test (RAVLT) with Depression and Anxiety in Patients with Multiple Sclerosis
- 54 Kennedy, Alyssa Soluble Immune Activation Markers and the Early Initiation of ART in HIV –infected Adolescents
- 55 Kent, Robert Case study of five patients with severe TBI's that underwent hyperbaric oxygen treatment
- 56 Kline, Nolan A Closer Look at "Intactivism": Analyzing the Major Themes of and Attitudes towards Anti-Male-Circumcision
- 57 Kolhorst, Kimberly Priapism – An Unusual Presentation of Familial Adenomatous Polyposis
- 58 Kresak, Jesse Primary CNS-Hodgkin's Lymphoma: Case Series and Review of the Literature

|    |  |  |
|----|--|--|
| 59 | Lambert, Crystal<br>Chapman              | Predicting Factors that Influence Cervical Cancer Screening in HIV-Infected Women: Using the Health Belief Model                             |
| 60 | Lewis, Jaime                             | Recurrences Following Mastectomy for Ductal Carcinoma in Situ  |
| 61 | Lopez, Rebecca                           | Perceptual Responses in Predicting Physiological Measures of Heat Stress While Wearing Three Clothing Ensembles                              |
| 62 | Marzban, Suroosh                         | Merkel Cell Carcinoma of Unknown Primary Origin  |
| 63 | Matta, Daniel and,<br>Strauss, Alexandra | Project World Health: An International Medical Mission Trip Taking a Focus on Sustainability   |
| 64 | Menard, Wesly                            | How to Effectively Reduce Costs Associated with Robotic Surgery: Is This Even Possible?  |
| 65 | Moore, Jessica                           | Maternal Arrhythmia: A Case Report and Review of the Literature  |
| 66 | Nguyen, Donanh                           | Subcutaneous Vivaglobin® Replacement Therapy in Patients with Humoral Immunodeficiency Confers Protective Antibody Titers to Major Organisms |
| 67 | Nuzzo, James                             | Relationship between Trunk Muscular Endurance and Anthropometric Measures in Firefighters  |
| 68 | Nyanda, Hoka                             | Tamoxifen for the Treatment of Severe Keloids; A Case Report and Review of the Literature  |
| 69 | Paghdal, Kapila                          | 308 nm Excimer Laser with Concomitant Topical Calcipotriene for the Treatment of Segmental Vitiligo  |
| 70 | Parekh, Anand                            | Rapidly Growing Mycobacterium Infections in Cancer Patients  |
| 71 | Parkerson, Jim                           | A Case Of Multiple Simultaneous Urticarial Syndromes Refractory to Treatment   |
| 72 | Patel, Midhir                            | Paired Bilateral Internal Carotid Artery Aneurysms: An Imaging Review  |
| 73 | Patel, Nishit                            | Depigmentation Therapy in Vitiligo   |
| 74 | Pepper, Andrew                           | Outcome of Lower-Limb Preservation with an Expandable Endoprosthesis After Bone Tumor Resection in Children                                  |
| 75 | Perez, Matthew                           | Angiosarcoma of the Head and Neck: The Moffitt Cancer Center Experience  |
| 76 | Perrone, Michael                         | Birmingham Hip Resurfacing in the Severely Obese   |
| 77 | Puckett, Judith                          | Analysis of the Factors Influencing Breast Cancer Care Among Female Veterans   |
| 78 | Rodriguez, Ariel                         | Metabolic Surgery in Patients with End-Stage Renal Disease: A report of our case series  |
| 79 | Sabucedo, Alberto                        | Adult Case of Henoch-Schönlein Purpura (HSP): Possibly Secondary to Generic Lisinopril   |
| 80 | Sajjad, Monique                          | Bevacizumab Shows Regression of Brain Metastases and Prolonged Survival in 3 patients with Breast Cancer (WITHDRAWN)                         |
| 81 | Schilling, Eric                          | IL-2 Induced Tachy-Brady Syndrome  |
| 82 | Schocken, Dawn                           | VHA Women's Health Mini Residency  |

- 83 Shah, Ankit Abnormal Cerebral Hemosiderin Deposits on Magnetic Resonance Imaging in a patient with pseudopapilledema
- 84 Simon, Ross Pressure Ulcer Prevalence Among the Spinal Cord Injury Population
- 85 Talreja, Neetu Diffuse Idiopathic Pulmonary Neuroendocrine Hyperplasia with Corticosteroid Dependent Asthma
- 86 Verdin, Lindsey Calvarial Metastatic Melanoma: A Case of an Enormous Exophytic Mass in an Asymptomatic Patient
- 87 Villafranca, Arnaldo Insulin-Induced Lipoatrophy in a Patient using Continuous Subcutaneous Insulin Infusion (CSII): A Case Report and Literature Review
- 88 Vyas, Nikki Mycophenolate Mofetil as a First-Line Steroid-Sparing Agent in the Treatment of Pemphigus Vulgaris
- 89 Waseem, Hena Neurological Manifestations and Human Parvovirus B19: Historical Perspective and Analysis
- 90 Weiss, Amy What Reasons do Adolescents Give for Presenting to the Emergency Department over their Primary Care Provider?



### *Clinical Science Research*

- 91 Creelan, Ben A GM-CSF-Producing & CD40L-Expressing Cell Line Combined with Allogeneic Tumor Antigen as a Novel Vaccine for Metastatic Lung Adenocarcinoma: a Phase II Trial
- 92 Elizalde, Araceli Assessment of Repeated Measures of Fractional Exhaled Nitric Oxide in Clinically Stable Persistent Asthma
- 93 Fitzhugh, David Photoaging Attenuates Skin Test Response to Histamine More Than Natural Aging
- 94 Fluman, Sarah The Role of Glutathione in Chronic Ischemic Wounds in the Elderly
- 95 Gong, Xiaoming Regulation of Antioxidant Responses in Prostate Cancer: Effects of Lycopene
- 96 Horne, Danielle Hybrid Endovascular Exclusion of Aberrant Right Subclavian Artery Aneurysms
- 97 Hudey, Stephanie Antiretroviral Therapy (ARV) Fails To Correct B Cell Activation in Both Behaviorally-Acquired (BAH) and Perinatally-Acquired HIV-Infected (PAH) Cohorts
- 98 Lomas IV, Harry Post Chemoradiation SUV is Highly Predictive of Disease Free Survival and Overall Survival in Esophageal Cancer
- 99 Lunn, Jason Digital Holographic Adaptive Optics for Retinal Imaging
- 100 McGuire, Joseph The Role of Dysregulation in Pediatric Obsessive-Compulsive Disorder
- 101 Peir, Gene Safety and Experience of Research Lumbar Punctures in Parkinson's Disease Patients
- 102 Restrepo, Daniel Compatibility of Heparin with Ethanol for Ethanol-Lock Therapy of Central Venous Catheters
- 103 McQueen, Margaret Elisa Maternal Smoking Hastens Telomere Shortening in Neonatal Umbilical Cord
- 104 Russo, Christopher Occipital Nerve Stimulation for the Treatment of Chronic Headaches
- 105 Zadikany, Ronit  $\mu$  Opioid Receptors in the Enteric Nervous System



## *Education Research*

- 106 Barnes, Laura Feasibility Study for Technology-Based Cancer Education for Latinas from an Agricultural Community
- 107 Graham, R. David The Business of Medicine Bootcamp – Bridge Clinic Collaboration
- 108 Greenblum, Catherine Revising Proposed Silver Alert Legislation Based on New Research Findings
- 109 Hughes, Shana Teens, Communication Technology, and New Avenues for STD Prevention
- 110 Schnaus, Michael Predicting Medical Student Surgical Career Choice: Uni- and Multi-variate Analyses of Career Choice Variables



## *Evidence Based Study Design and Outcomes Research*

- 111 Arnold, Elyse Cognitive-Behavioral Treatment for Anxiety Disorders in Children with Autism Spectrum Disorders
- 112 Ashmeade, Terri Better Golden Hour Care Significantly Improves Outcomes for Extremely Low Birth Weight Infants
- 113 Billington, Alicia Mathematical Pressure Modeling of Continuous Movement in Seated Individuals
- 114 Buethe, David Is the R.E.N.A.L. Nephrometry Scoring System Predictive Of The Functional Efficacy Of Nephron-Sparing Surgery In The Solitary Kidney?
- 115 Campbell, Michael Decreasing Mortality In Young Colorectal Cancer Patients: Are We Doing Better?
- 116 Chitwood, Katelyn Intralesional and Topical Chemotherapy of Non-Melanoma Skin Cancer: Efficacy and Cost-Analysis Compared to Excisional Treatment
- 117 Crawford, Erika Mediators of Functional Impairment in Adult Obsessive-Compulsive Disorder
- 118 De Oleo, Caroline Tonsillectomy/Adenoidectomy Do Not Prevent Symptom Onset in Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcus
- 119 Deslauriers, Jessica Gender Related Differences in Glucocorticoid Therapy and Growth Outcomes among Pubertal Children with 21-Hydroxylase Deficiency Congenital Adrenal Hyperplasia
- 120 Dragicevic, Natasa Morphometric Brain Volume Measurements in 72 Medical Cadaveric Scans with History of Cognitive Impairment and One or More Components of Metabolic Syndrome
- 121 Feldman, Max Analysis of the AJCC/ENETS Staging Classification for Midgut Neuroendocrine Tumors (WITHDRAWN)
- 122 Georgiev, Helen Designing and Developing the Database of Randomized Trials in Myeloma (DRAM)
- 123 Gonzalez, Julio A Randomized Prospective Open-Label Comparison of Two Vitamin D3 Repletion Strategies in Vitamin D Deficient Patients
- 124 Haake, Scott Meta-analysis of Clear Cell Renal Cell Carcinoma Gene Expression Defines a Variant Subgroup and Identifies Gender Influences on Tumor Biology (WITHDRAWN)
- 125 Hasemann, Jose Dengue Fever in Tegucigalpa, Honduras: Use of the Explanatory Model in a Sample of Urban Neighborhoods to Contextualize and Define Dengue Fever Among Community Participants

|     |                         |   |
|-----|-------------------------|---|
| 126 | Jones, Anna             | Preliminary Results of Family Based Cognitive-Behavioral Treatment for Preschoolers with Obsessive Compulsive Disorder                                  |
| 127 | Jung, Leah              | Rates of Social Impairment of Youth with Tic Disorders as assessed by the Social Responsiveness Scale   |
| 128 | Kasti, Mohamad          | Asset Mapping of USF Innovation Using Hub Modeling  |
| 129 | Lacevic, Jasmin         | Computer Decision Support program for Pain Management, Quality Improvement and Monitoring   |
| 130 | Chokshi, Binna          | Kidney Transplantation: A Regulated, Market-Based Model to Eliminate Shortages of Organs  |
| 131 | Mhaskar, Rahul          | True Methodological Quality of Trials Are Not Reflected in Their Reporting  |
| 132 | Nadeau, Joshua          | Distractions and Diversions: Preliminary Results from a Study Examining the Academic Impact of Pediatric Obsessive-Compulsive Disorder                  |
| 133 | Parikh, Rajiv           | Differentiating Fat Necrosis from Recurrent Malignancy in Fat Grafted Breasts after Breast Reconstruction: An Imaging Classification System             |
| 134 | Patel, Hershel          | Modification of the A-Constant to Optimize Refractive Outcome for Patients Undergoing Cataract Surgery <b>(WITHDRAWN)</b>                               |
| 135 | Patel, Jaymin           | Changing Face of Acoustic Neuroma Treatment and Symptomatology: 25 Year Trends from Analysis of Patient Surveys from the Acoustic Neuroma Association   |
| 136 | Patel, Vishal           | Evaluation of a Universal-Sample Transport Optimized Platform (U-STOP) for the storage and identification of Dengue virus infection in clinical samples |
| 137 | Pavlinec, Jonathan      | The Causes of ALTEs (Apparent Life-Threatening Events) in Infants Evaluated at a Community Hospital   |
| 138 | Pothiwala, Salma        | Obesity and the Incidence of Skin Cancer in US Caucasians   |
| 139 | Reljic, Tea             | Are African American Men Represented in Prostate Cancer Randomized Controlled Trials? A Systematic Review   |
| 140 | Selbst, Jacquelyn       | Sexual Health in Individuals with Intellectual Disabilities and Autism  |
| 141 | Teefey, Patrick         | Intraperitoneal Chemotherapy in Stage IIC-IV Ovarian, Fallopian Tube, and Peritoneal Carcinoma: Analysis of Tolerability and Toxicity                   |
| 142 | Tsalatsanis, Athanasios | Designing Patient-Centric Applications for Chronic Disease Management   |
| 143 | Vasan, Rohit            | Pediatric Intracranial Aneurysms: Current National Trends in Patient Management and Treatment   |
| 144 | Willet, Stephanie       | Omentectomy in Colorectal Resection: Does it Affect Complications?  |



### ***Molecular and Cellular Biology Research***

|     |                     |   |
|-----|---------------------|---|
| 145 | Ajmo, Joanne        | Hepatic-Specific Deletion of Lipin-1 Aggravates Alcoholic Fatty Liver in Mice |
| 146 | Alwarappan, Subbiah | Graphene-based Electrochemical DNA Biosensing Platforms                       |
| 147 | Breydo, Leonid      | Effect of Molecular Crowding on Aggregation of Disordered Proteins            |
| 148 | Butler, Carrie      | Identifying Novel Pan-apicomplexan Protozoan Cell Cycle Genes                 |

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| 149 | Chen, Shogun                     | Intracellular Degradation/Retention of Mutant C-terminal Truncated Decorin In Human Congenital Stromal Corneal Dystrophy         |
| 150 | Chinnasamy, Vignesh              | Noninvasive Remote-Controlled Release of Drugs from a Nanogel Triggered by Near IR   |
| 151 | Fratz, Erica                     | Erythroid 5-Aminolevulinate Synthase Variants Cause Porphyrin Accumulation in HeLa Cells   |
| 152 | Galam, Lakshmi                   | Dietary Iodole 3, 3'-Diindolylmethane Protects Cultured Human Alveolar Epithelial Cells From Oxidative Stress Induced Cell Death |
| 153 | Garapati, Ujjwala sree           | A Macroporous Graphene Hydrogel Matrix for the Differentiation of Mesenchymal Stem Cells   |
| 154 | Griner, Lori                     | Alteration of Cholesterol Enhances JAK Inhibitor Therapy in Myeloproliferative Neoplasms   |
| 155 | Hamel, Laura                     | Development of a Sensitive Gel-Based Assay to Measure Protein Palmitoylation   |
| 156 | Howell, Mark                     | Manganese Oxide Lipid Nanoparticles (MLNs) For Use As A T1 MRI Contrast Agent And Gene Delivery Vehicle                          |
| 157 | Jackman, Suzanne                 | Plac1 (Placenta-Specific 1) is Paternally Imprinted and Necessary For Normal Placental and Embryonic Growth                      |
| 158 | Ling, Yiping                     | Purification of the Erf2•Erf4 Protein Acyl Transferase Complex from Yeast Membranes  |
| 159 | Mienaltowski, Michael            | Distinct Progenitor Cell Populations in Mouse Achilles Tendon and Epitenon   |
| 160 | Nesuahvili, Lika                 | Acute Mitochondrial Modulation Activates Airway Sensory Nerves via TRP Channels  |
| 161 | Parthasarathy, Prasanna Tamarapu | MicroRNA-16 Modulates the Expression Of EnaC, Tgf $\beta$ And Its Targets In Human Alveolar Epithelial Cells                     |
| 162 | Ravi, Sowndharya                 | Multifunctional Multilayered Mag-micelle Nanoparticles (4M-NPs) for Prostate Cancer Targeted Gene Therapy and MR Imaging         |
| 163 | Rodriguez, Yahdira               | PLAC1 (Placenta Specific-1) Expression is Differentially Affected by Labor in Distinct Trophoblast Populations                   |
| 164 | Smith, Simone                    | An Integrin network tethers the regulatory collagen V to the fibroblast surface in developing tendon                             |
| 165 | Sokolowski, Sophia               | Recycling of the Large Conductance Calcium-Activated Potassium Channel by the GTPase Rab11b                                      |
| 166 | Stojanovski, Bosko               | 5-Aminolevulinic Synthase: Structure-Function Studies Related to the Enzymatic Succinyl-CoA Binding Site                         |
| 167 | Wang, Chunyan                    | Multilayered Multifunctional Magnetic Micelle Nanoparticles (4M-NPs) for MRI and Gene Delivery                                   |
| 168 | Williams, Kendra                 | Phosphorylation of HDAC6 C-terminus by ERK1 affects its function and interaction with its cytoplasmic substrates                 |
| 169 | Xue, Bin                         | Roles of Local Structural Flexibility in Methionine Oxidation  |



### *Neuroscience Research*

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| 170 | Ari, Csilla    | Impairment of Neurotransmitter and Neurotrophin Receptor Localization and Function in Alzheimer's Disease Caused by Inhibition of Kinesin Eg5 |
| 171 | Benner, Leif   | Selective HDAC6 Inhibition Improves Spatial Memory Deficits in rTg4510 Mouse Model  |
| 172 | Chang, Jessica | TRAF6 and ALS   |



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| 173 | Chen, Ming                 | Overexpression Of $\mu$ -Calpain In HEK293 Cells Increases The Secretion Of Beta-Amyloid Precursor Protein  |
| 174 | Cortes, Lourdes            | Immediate, but not Delayed, Microsurgical Skull Reconstruction Exacerbates Brain Damage in Experimental Traumatic Brain Injury Model                              |
| 175 | Das, Mahasweta             | Multilayered Multifunctional Magnetic Micelle Nanoparticles for Delivery of DNA to Brains of Rats with Mild Traumatic Brain Injury                                |
| 176 | Deng, Juan                 | Autoreactive-Abeta Antibodies Promote APP Beta-secretase Processing   |
| 177 | Filonova, Irina            | Activity-dependent Expression of Ube3a  |
| 178 | Fiorelli, Tina             | Characterization Of The Mechanism Of Production And Functional Significance Of A Novel, Caspase-Dependent Fragment Of Amyloid Precursor Protein                   |
| 179 | Glover, Loren              | Neonatal Rat Brain Mounts A Rapid Endogenous Anti   |
| 180 | Granic, Antoneta           | Genomic Instability in Human and Mouse Neurodegenerative Tauopathies, Frontotemporal Dementia and Niemann-Pick Disease  |
| 181 | Grieco, Joseph             | Minocycline Ameliorates Cognitive and Motor Deficits in the Angelman Syndrome Mouse Model   |
| 182 | Hatic, Haris               | Modulation of Transcription Factors in Traumatic Brain Injury   |
| 183 | Held, Heather              | Gastric CO <sub>2</sub> Output Via the Esophagus Increases During Systemic Hypercapnia in Anesthetized Cat  |
| 184 | Hernandez-Ontiveros, Diana | Microvascular Impairment in the Brain and Spinal Cord of ALS Patients   |
| 185 | Hethorn, Whitney           | Molecular Determinants of Intracellular Calcium Dysregulation During Concurrent Ischemia and Acidosis in Neurons  |
| 186 | Kaneko, Yuji               | Cyclosporine A treatment abrogates ischemia-induced neuronal cell death by preserving mitochondrial function by upregulating the Parkinson's disease protein DJ-1 |
| 187 | Kirouac, Lisa              | Cell Cycle Mediated Hyperphosphorylation of APP and its Role in Alzheimer's Disease Pathogenesis  |
| 188 | Lambert, Chase             | Neuronal Nicotinic Acetylcholine Receptors (nAChRs) Are Involved in Nicotine-Mediated Reversal of Ataxia in an Animal Model                                       |
| 189 | Li, Qingyou                | Human Apolipoprotein E isoform-dependent changes amyloidogenic processing of amyloid precursor protein in a mouse model of Alzheimer's disease                    |
| 190 | Mayo-Perez, Amora          | Temperature-Dependent Hypothermia Reduces Mitochondrial Dysfunction after Neonatal Encephalopathy   |
| 191 | Midha, Shonali             | Differential Regulation of Adult Hippocampal Neurogenesis by an NMDAR Antagonist: Protective and Toxic Effects  |
| 192 | Pilla, Raffaele            | Pseudoephedrine (PSE) Enhances Seizure Onset During Deep Dives at 5 Atmospheres Absolute (ATA) in Unanesthetized Rats   |
| 193 | Poff, Angela               | Effect of Ketone Treatment and Glycolysis Inhibition in Brain Cancer Cells (U87MG) and Rat Primary Cultured Neurons Exposed to Hyperbaric Oxygen and Amyloid Beta |
| 194 | Rogers, Justin             | Reelin Supplementation Enhances Cognitive Ability, Synaptic Plasticity and Dendritic Spine Density  |
| 195 | Shinozuka, Kazutaka        | Stress and DNA damage in experimental stroke  |
| 196 | Song, Shijie               | Neuroprotective Effects of Bone Marrow Stromal Cells in Co-cultures of Fetal Dopaminergic Neuronal Cultures   |

- 197 Tajiri, Naoki Combination Treatment of Moderate Hypothermia & Mesenchymal Stem Cell Amplifies Neuroprotection in Vitro Model of Hypoxic-Ischemic Injury: Relevance to Neonatal Encephalopathy
- 198 Voss, Kellen Tau Regulation by Hsp90 and FKBP51



### *Pharmacy Research*

- 199 Allen-Gipson, Diane CS-oxidant Signaling and Adenosine A2B Receptor Activation Alters Adenosine A2A-mediated Airway Wound Repair
- 200 Amin, Yesha A Novel Method for Preparation and Application of Degraded Samples in STR Multiplex Amplification System
- 201 Andruski, Rebecca Improving in Vitro Dissolution Release Profiles of Nifedipine (WITHDRAWN)
- 202 Braswell, Kaitlyn Screening of Novel Drugs for the Treatment of Parkinson's disease
- 203 Chew, Helen Bioinformatic Prediction of microRNAs that Regulate Human Cytochrome P450 Genes
- 204 Groshev, Anastasia Redox Changes and Pyridine Nucleotide Alterations: Role of Hypoxia and Hyperglycemia
- 205 Gupta, Sheeba Varghese A Review of Enhancing Membrane Permeability of Poorly Permeable Drugs by Carrier Mediated Prodrug Approach
- 206 Gupta, Swati Development and Characterization of Amphotericin B bearing Emulsomes against Experimental Visceral Leishmaniasis
- 207 Guzman, Kevin Bioinformative Prediction of the microRNAs That Regulate ABC Transporter Genes
- 208 Lai, Xin-Sheng Proteomic Response to Acupuncture Treatment in Spontaneously Hypertensive Rats
- 209 Le, Phuong Identification of Herbal Inhibitors for Human Cytochrome P450 1A2 and Implication in Herb-Drug Interactions
- 210 Li, Ming-Hua A High Throughput Screening Approach to Investigating How Nuclear Receptor Ligands Affect Human Cytochrome P450s
- 211 Li, Qi Novel Polymeric Nanoparticles Containing Tanshinone-IIA from Chinese Herbal Medicine: Preparation, Characterization, and Antitumor Activity
- 212 Liang, Jun Osteogenesis of Goat Bone Marrow Mesenchymal Stem Cells Induced by Transfection of BMP-2 and bFGF
- 213 Luinord, Sofonie Enhancing the Solubility Profiles of Indomethacin Using Lutrols by Solid-Solid Dispersions (WITHDRAWN)
- 214 Luo, Rui-Juan Metabonomics Study on Human Hepatocarcinoma Cells Treated with Tyrosine Kinase Inhibitors
- 215 Muscarella, Misty Solid-solid Dispersions of Theophylline Using Lutrol F 68, 87, 108, 127 to Improve In Vitro Dissolution Release Profiles
- 216 Nabar, Neel A Murine Study of a Novel Vaccine Using Mutated  $\beta$ -amyloid Sensitized Dendritic Cells in Alzheimer's Disease
- 217 Panchal, Jay A Novel, Multi-Component, Multi-Targeted "Cocktail" from Natural Products for the Treatment of Alzheimer's Disease
- 218 Patel, Tina Screening of Novel Drugs for the Treatment of Huntington's disease
- 219 Pathak, Sarvadaman Beclin 1 and Nuclear Factor-Kbp65 as Potential Biomarkers for Hepatocellular Carcinoma
- 220 Pradeep, Neeti Identification of Novel Genetic Polymorphisms in Short Tandem Repeat Loci in Two Ethnic Minority Populations in China

- 221 Sun, Jia-Zhi Repositioning of the FDA-approved Tyrosine Kinase Inhibitors Targeting Histone Deacetylases, B-raf and Other Proteins
- 222 Tripathi, Hardam Improving In Vitro Dissolution Release Profiles of Fenofibrate Using Lutrol F 68, 87, 108, 127 (WITHDRAWN)
- 223 Vachon, Danielle Identification of Ligands for Human Cytochrome P450 2D6 using Virtual Screening and Molecular Modeling
- 224 Wang, Zhi-Xin High Throughput Screening to Investigate the Effect of a Library of Kinase Inhibitors on Clinically Important Cytochrome P450s: An Efficient Tool to Identify Drug-drug Interactions
- 225 Yang, Clement Creating Stable Cell Lines in BE(2)-M17 Cells for Various Mutations of Alpha-Synuclein
- 226 Yin, Juan-Juan Novel Targeted Cyclodextrin Based Nanoparticle Delivery Systems for Cancer Chemotherapy
- 227 Zhou, Shufeng Therapeutic Effect of Transplanting Magnetically Labeled Bone Marrow Stromal Stem Cells in a Liver Injury Rat Model with 70%-Hepatectomy
- 228 Zhou, Qingyu Variation in Patterns of Angiogenesis-Associated Gene Expression Among Different Sunitinib-Resistant Brain Tumor Models

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Community and Family Health Research*

- 229 Anstey, Erica Improving Women's Health Care through a Collaborative Process: Learning a Common Language across Medicine and Public Health
- 230 Ashley, Atalie Developing a Network of Community Research Councils to Promote & Facilitate Clinical Prevention Trial Participation in Medically Underserved Populations
- 231 Baker, Elizabeth Confusion Regarding Cervical Cancer Screening: Pap Smear Knowledge among Three High-Risk Populations of Women
- 232 Blunt, Heather Assessing the Psychometric Properties of a Positive Youth Development/Teen Pregnancy Prevention Program Evaluation Instrument
- 233 Brunny, Jarrett Creating Connections between Adolescent Health & Adult Medicine: Transitions for Undergraduate Students with Health Challenges
- 234 Chee, Vanessa Violence in the Workplace in Nursing Home Settings: A Preliminary Analysis
- 235 Guevara, Pamela The Fagerström Nicotine Dependence Scale: How do USF student smokers weigh in?
- 236 Harsch, Kristin Beyond The Condom: A Text and Mobile Video Pilot Project Promoting Long-Acting, Reversible Contraception Methods to College-Age Women
- 237 Hernandez, Natalie Attitudes about Medical Mistrust and HPV Vaccination among Young Women of Color
- 238 Jang, Siwon High School Football Injuries among Athletes in West-Central Florida
- 239 Johnson, Nicole Diabetes Distress in Parents of Children with Type 1 Diabetes
- 240 Judd, Courtney Postpartum Depression Screening: Are Pediatricians on Board?
- 241 LeBeau, Alex Evaluation of Urinary Pesticide Biomarkers Among Children and Adolescents
- 242 Lynn, Vickie Women living with HIV: Experience and feelings in a video-group intervention

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| 243 | Maness, Sarah         | Sexual and Reproductive Health Behaviors of Ninth Grade Youth: Findings from a Pilot Study in a Rural Florida High School              |
| 244 | Marshall, Jennifer    | A Patchwork Quilt: Services & Supports for Infants and Toddlers with Down Syndrome and Their Families                                  |
| 245 | Noble, Charlotte      | Evaluation Protocol for an Adolescent Pregnancy Prevention Program in Non-metropolitan Florida High School                             |
| 246 | Merrell, Laura        | Do The Parents of Children Diagnosed with Autism Spectrum Disorders Experience Issues Related to Access to Child Care?                 |
| 247 | Moore, Mezelle        | Health Disparities and Science: Bridging the Gap Among Underrepresented & Disadvantaged Youth in the Tampa Bay Community               |
| 248 | Myers, Jaime          | Online Dating Among Older Women: An Exploratory Study of the Risks and Benefits Associated with Online Relationship Seeking            |
| 249 | Nelson, Alison        | Preliminary End User Evaluation Of An Educational Brochure To Increase Awareness Of Hereditary Ovarian And Breast Cancer               |
| 250 | Ntumngia, Francis     | Conserved and Variant Epitopes of Plasmodium vivax Duffy Binding Protein as Targets of Inhibitory Monoclonal Antibodies                |
| 251 | Ogunrinde, Adejoke    | Utilization of Well Child Care and Effective Care Coordination: An Analysis of Data from the 2007 National Survey of Children's Health |
| 252 | Panzer, Anthony       | Exploration of Mobile Technology and Social Media Use to Enhance Adolescent Self-Management of Asthma                                  |
| 253 | Rella, Natalie        | Identifying Mothers' Perceptions and Expectations of Paternal Involvement: Perspectives of Black Women in Hillsborough County          |
| 254 | Rivera, Maria         | Evaluating a Community-Based Cervical Cancer Patient Navigator Program: Outcomes from the TBCCN-CCPNP                                  |
| 255 | Rosen, Danielle       | Health in Late Life: The Villages is Not God's Waiting Room  |
| 256 | Solomon, Monica       | Social Capital and Social Cohesion in an Adult Retirement Community: Perceptions of Benefits to Health and Quality of Life             |
| 257 | Spowart, Sara         | Severe Asthma Triggers   |
| 258 | Vander Molen, Allison | Does Childhood Obesity Influence Parental Aggravation? (WITHDRAWN)   |
| 259 | Wells, Todd           | Smoking Among HIV Positive Youth: The intersection between behavioral health and chronic diseases                                      |



### ***Environmental and Occupational Health Research***

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| 260 | Harbison, Stephen | Pulmonary Function Testing in Utility Workers   |
| 261 | Haofei, Yu        | Local Health Impact Assessment Method for Formaldehyde  |
| 262 | Sears, Jill       | The Public Health Implications of Marina Pollution on Recreational Beaches  |
| 263 | White, Jennie     | Characterization of Veteran's Poisonings in the State of Florida  |
| 264 | Wolf, Hillary     | Pharmaceuticals and the Environment: A case study of disposal techniques at hospice facilities in Alachua County, Florida |



## *Epidemiology & Biostatistics and Health Policy & Management Research*

- 265 Kolar, Stephanie Associations of Stress and Sleep with Prevalence of HPV: Preliminary Results From A Study Of HPV In Men
- 266 Makris, Alexia A Multifaceted Study of Distance from Liver Transplant Center Affecting Outcomes Post-Transplantation
- 267 Sanchez, Emanny Geospatial Distribution of Fresh Produce Availability in Low-Rural Communities: Florida Case-Study
- 268 Young, Lauren Limited Understanding of Cervical Cancer Screening among a Racially Diverse Sample



## *Global Health Research*

- 269 Abes, Benjamin Evaluating Florida's Trauma Triage Criteria Against Trauma Center Need
- 270 Bingham, Andrea Blood Feeding Patterns of *Aedes aegypti* and *Aedes mediovittatus* in Puerto Rico
- 271 Campbell, Christopher A Method and Composition Using a Putative Pseudophosphatase of *Plasmodium falciparum* as an Antimalarial Drug Target
- 272 DeVetter, Curtis Fruit and Vegetable Access in Low-Income Rural Communities: Florida Case-Study
- 273 Diasparra, Jesse Apicomplexa-Specific Kinase is Tightly Cell-Cycle Regulated
- 274 Maher, Steven A Liver Sinusoid Device for Studying *Plasmodium* Exoerythrocytic Forms and Antimalarial Therapeutics
- 275 Martens, Brian Drug-Sensitivity Phenotyping of Piggybac Mutants to Validate and Prioritize *Plasmodium falciparum* Targets
- 276 McGuire-Wolfe, Christine Sharps Usage Patterns and Hazards among Firefighters and Emergency Medical Services Personnel at a Suburban Fire Department
- 277 Morton, Lindsay Characterization of Drug Resistant Malaria in Southeast Asia
- 278 Poirier, Mathieu Re-emergence of Cholera in the Americas: Risks, Susceptibility & Ecology
- 279 Richards, Ashley A Socio-Ecological Approach to Assessing the Delivery of Culturally Competent Care to Uninsured Women
- 280 Seaton, Lylah Analysis of MDR *Acinetobacter baumannii* in the Healthcare Setting: Risk Factors and Predominant Genotypes Associated with Infection
- 281 Thomas, Phaedra The Phenotypic Characterization of the *Plasmodium falciparum* Gene Knockout Not1 (PF11\_0049)
- 282 Trang, Brian Analysis of Field Trapping Methodology for *Aedes aegypti* and *Aedes albopictus* Species in Hillsborough County
- 283 Udenze, Kenneth Novel Quinolones: Transmission-Blocking and Radical Curative Anti-Malaria Drugs against *Plasmodium falciparum* and *Plasmodium berghei* Parasites
- 284 Vander Kelen, Patrick Habitat Associations of Eastern Equine Encephalitis Transmission in Walton County Florida
- 285 Vesely, Brian Induction of Miltefosine Resistance in *Leishmania donovani*



### *The Villages High School Student Research*

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| 286 | Ball, Matthew             | Does the Tip and Grain of a Bullet Affect Post Impact Expansion?                                      |
| 287 | Casteel, Jamie            | Can Saltwater Hermit Crabs Adapt to Living in Freshwater  |
| 288 | Coffey, Madison           | Can A Home-Made Tesla Coil Wirelessly Transmit electricity to light lamps?                            |
| 289 | Crawford, Emily           | Does Facebook Affect the Face-to-Face Communication of Teenagers?                                     |
| 290 | Fairchild, Elizabeth      | Can Red Worms Consume a Biosolid and Create Vermicompost?   |
| 291 | Frisch, Chance            | Are You Exposed to Potentially Dangerous EMF/ELF Fields?  |
| 292 | McDaniel, Mackinzie       | MMSE Vs. mCDR; Tools in Detecting Alzheimer's Disease   |
| 293 | Nieves, Lauren            | The Effects of Firing Different Types of Glass Together   |
| 294 | Nwaubani,<br>Ugwumsinachi | Does Food Packaging Influence Children's Ability to make Healthy Choices?                             |
| 295 | Russell, Rachel           | Does Rooting Affect the Quality of a Plant? Does Temperature Affect Plant's Growth?                   |
| 296 | Siverson, Hayden          | How Fresh is Your Milk? Is Standard Plate Bacteria (SPC) Count Higher in Organic or Non-organic Milk? |
| 297 | Stafford, Hunter          | How Does Airfoil Design Affect the Efficiency of a Rotor at Different Wind Speeds?                    |
| 298 | Torres, Ana               | Local Medical Practices: A Source of Pathogenic Bacteria?   |
| 299 | Torres, Isabel            | What is Growing in Your Makeup?   |
| 300 | Upadya, Kunal             | Which Type of Sugar Best Promotes the Growth of Yeast?  |
| 301 | Wiley, Ethan              | Football The Underdog vs The Favorite   |



### *Sunshine ERC Research*

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| 302 | Acevedo-Matos,<br>Julio    | Occupational Asthma Associated with Sick Building Syndrome Risk Factors in United States and Puerto Rico                                      |
| 303 | Allen, Josh                | Incivility, Mobbing, Abusive Supervision and Undermining in the Workplace: A Qualitative Review   |
| 304 | Ansari, Aiysha             | Comparing Visual vs. Microscopic Methods to Detect Blood Splatter from Intravascular Catheters (IVC) with Engineered Sharps Injury Protection |
| 305 | Bauer, Jeremy              | A Longitudinal Investigation of Emotions and Counterproductive Work Behaviors   |
| 306 | Brown, Bethany             | Chronic Diseases in the Workplace   |
| 307 | Buxo, Natasha              | Personal Characteristics of LGB Employees: Personality and Disclosure   |
| 308 | Eatough, Erin              | Interpersonal Conflict, Coping, and Control: Interactive Effects on Well-being  |
| 309 | Fletcher, Oclla<br>Michele | Critical Heat Stress Evaluation of Chemical Protective Clothing Ensembles with a Full-Face Negative Pressure Respirator                       |

- 310 Fuentes, Kristle Review of Health Impacts of Sludge Incinerator Exposure & Issues of Waste Management Effect on Workers & General Public in Puerto Rico
- 311 Garcia-Roman, Nycole OSHA's Beryllium OEL: Inadequacy and urgent need for a new standard, the case of recycling operations and dental technicians
- 312 Harari, Mike Justice, strain, and work family conflict: the role of distributive justice as an organizational stressor
- 313 Hauck, Brian Evaluation of Heat Stress Level as a Modifier for Injury and Incident Rates During an Industrial Construction Project
- 314 Hay, Melissa Noise Exposure in Medical Helicopter Flights
- 315 Johnson, Ryan Work-Family Conflict and Flexible Work Arrangements: Deconstructing Flexibility
- 316 Kawamoto, Cristina Linking Nonwork Stressors to Work Outcomes via Negative Mood and Event Appraisals
- 317 Kiburz, Kaitlin Dispositional Mindfulness as a Unique Predictor of Work-Family Conflict
- 318 Maldonado-Pagan, Alexander Evaluation of Safety Programs in Surface Mining Procedures of Puerto Rico
- 319 Marty, Adam Nanoparticle Generation and Size Characterization
- 320 Medina, Daniel Filtration Performance of a NIOSH Approved N95 Filtering Facepiece Respirator with Stapled Head Straps
- 321 Riley, Laura Enhancement of the Performance Capabilities of the USF Inhalation Challenge Chamber
- 322 Zhou, Zhiqing The Interactive Role of Gender in CWB and Workplace Aggression



### *Undergraduate Research*

- 323 Baumsteiger, Rachel Religiosity and Spirituality
- 324 Carpenter, Tyler Modulation of Reelin Processing by Apolipoprotein E and Amyloid-Beta
- 325 Coyle, Jayme Aquaporin 5 is Expressed in the Murine Placenta and Regulated by Placenta-specific 1 (Plac1)
- 326 Franzen, Elisabeth The Many Faces of Kickbutt Quitters: Characteristics of College Smokers Participating in a Text-Messaging Tobacco Cessation Pilot Study at USF
- 327 Garcia, Jennifer Factors Influencing Participation in a Study of the Etiology of Breast Cancer in Black Women
- 328 Gllava, Sidorela BRCA Mutation Status and Other Factors Influencing Prophylactic Mastectomies among Participants in the Inherited Cancer Registry (ICARE)
- 329 Hacker, Leah Developmental Associations between Positive Illusory Bias and Life Satisfaction in Youth with ADHD (WITHDRAWN)
- 330 Halburian, Alexa The Uniformity of Informed Consent for Biobanking, A Systematic Review
- 331 Hunt, Jerry Characterization of tau Overexpression Using a Tetracycline-regulatable Transgenic Mouse Model and a tetRegulatable Adeno-associated Virus
- 332 Jalali, Samuel MicroRNA-206 Modulates Human Pulmonary Artery Smooth Muscle Cell Proliferation, Apoptosis, and Migration

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| 333 | Kaercher, Lauren       | Compulsive Hoarding in Community Environments  |
| 334 | Kaufman, Ryan          | The Effects of Art Programs on the Self-Concept of Children  |
| 335 | Keene, Amanda          | Family Adversity and the Positive Illusory Bias: Further Support for the Self-Protection Hypothesis  |
| 336 | Knox, Jericka          | iPad in the Clinical Setting: Using Interactive Technology as a Bridge to Clinical Education   |
| 337 | Long, Kimberly         | Hypothesis: Size Matters: Sequential Mutations in Tumorigenesis may Reflect the Stochastic Effect of Mutagen Target Sizes  |
| 338 | McCarty, Kayleigh      | The Impact of Arginase-1 and Polyamines on Tau Biology   |
| 339 | Mirza, Sayeef          | Quantifying Differential Protein Expression in Drug Resistant Multiple Myeloma   |
| 340 | Mugno, Alexis          | The Current Level of Awareness for Concussions as Reported by Parents of Youth Hockey Players  |
| 341 | Pava, Libia            | A Method for Rapid, Efficient Quantification of Evolutionary Conservation for Individual Genes: Relevance to Fusion Gene Detection Algorithms                        |
| 342 | Pena, Gabriela         | Age Related Changes in Myeloid Lineage Cells in Bone Marrow of Young, Adult and Aged Mice  |
| 343 | Placides, Devon        | Characterization of Inflammatory Markers in Nasal Epithelial Cells of Tau Transgenic Mice  |
| 344 | Ranaweera, Yashobha    | Characterization of Arginase-1 Expression and Microglia Activation in the CNS of Cre-Lox Arginase-1 Knockout Mice  |
| 345 | Richardson, Erik       | Effects of Early Initiation of ART on Neopterin Levels in HIV-infected Adolescents   |
| 346 | Sallot, Sebastian      | Lysosome Accumulation In Endothelial Cells Aggravates Blood-Brain Barrier Impairment In Sanfilippo Syndrome  |
| 347 | Sanchez, Phillip       | Screening for Inhibitors of the Increased Thioester Hydrolysis Activity of the Mutant Protein Acyl Transferase, DHHC9 R148W  |
| 348 | Schocken, Daniella     | Does Variable SP Scoring Input on High Stakes Exam Skew Student Test Results?  |
| 349 | Tamboli, Cyrus         | Intravenous Grafts of Amniotic Fluid-Derived Neural Progenitor Cells Induce Endogenous Cell Proliferation and Ameliorate Behavioral Deficits in Ischemic Stroke Rats |
| 350 | Valceus, Jessica       | The Ureter as a Landmark for Robotic Sacrocolpopexy.   |
| 351 | Vasconcellos, Julianne | Evidence of Cardiomyocyte Cell Death Following Cerebrovascular Accident  |



