

## External Peer-reviewed Publications Involving Undergraduate Students

Summer 14- Spring 15

1. Tolia, V. N., Patrick, S. W., Bennett, M. M., Murthy, K., **Sousa, J.**, Smith, P. B., Clark, R. H., & Spitzer, A. R. (2015). Increasing incidence of the neonatal abstinence syndrome in U.S. neonatal ICUs. *New England Journal of Medicine*, 372(22), 2118-2126.
2. Libreros, S., Garcia-Areas, R., Keating, P., **Gazaniga, N.**, Robinson, P., Humbles, A., & Iragavarapu-Charyulu, V. (2015). Allergen induced pulmonary inflammation enhances mammary tumor growth and metastasis: Role of CHI3L1. *Journal of Leukocyte Biology*, 97(5), 929-940.
3. **Sumerix, H.** (2015, July 30). Activists Worry About Environment If Theme Park Built. *Rise Miami News* <http://risemiaminews.com/2015/07/activists-worry-about-destruction-of-environment-if-massive-theme-park-built-in-south-miami-dade/> Retrieved September 23, 2015.
4. Shokry, I. M., Callanan, J. J., **Sousa, J.**, & Tao, R. (2015). Rapid in situ hybridization using oligonucleotide probes on paraformaldehyde-prefixed brain of rats with serotonin syndrome. *Journal of Visualized Experiments*, 103, e53165.
5. Carraher Jr., C. E., **Suresh, V.**, & Roner, M. R. (2015). Self-matrix activity of organotin polyether ester polymers containing alpha-cyano-4-hydroxycinnamic acid. *Journal of the Chinese Advanced Materials Society*, 3(1), 32-44.
6. Susovan J., **Suresh, V.**, & Lepore, S. D. (2015). Synthesis of novel C-Pivot Lariat 18-Crown-6 ethers and their efficient purification. *SYNLETT*, 26, A-D.
7. **Lontoc, ERA.** (2015). My Name is John. *Journal of Art and Aesthetics in Nursing and Health Sciences*, 2(2), 20-21.
8. **Maharaj, A.**, Slusher, A. L., Mock, J. T., Whitehurst, M., & Huang, C.-J. (2015). The impact of obesity on Pentraxin 3 and inflammatory milieu to acute aerobic exercise. *Metabolism*, 64(2), 323-29.
9. **Maharaj, A.**, Slusher, A. L., Mock, J. T., Whitehurst, M., Huang, C.-J., & Zoeller, R. F. (2015). BDNF and substrate utilization following acute aerobic exercise in obese individuals. *Journal of Neuroendocrinology*, 27(5), 370-76.
10. **Maharaj, A.**, Slusher, A. L., Mock, J. T., Whitehurst, M., Huang, C.-J., Shibata, Y. & Wells, M. (2015). Acute aerobic exercise mediates G protein-coupled receptor kinase 2 expression in human PBMCs. *Life Sciences*, 135, 87-91.
11. **Solano, J., Ramirez, J., Torres, M., Solano, A., & Boulais, O.** (2015). Developing leadership and global professional engineer competences in our students. *IEEE Revista Iberoamericana De Tecnologias Del Aprendizaje*, 10(3), 1-9.
12. **Fremuth, A.**, Adzic, V., & Kalva, H. (2015). Parameterized framework for the analysis of visual quality assessments using crowdsourcing. *Human Vision and Electronic Imaging*, 9394, 1-10.
13. Shahi, K., Roner, M. R., Carraher, C. E., Moric-Johnson, A., Miller, L., Barot, G., Battin, A., **Trang, N. T.**, & Al-Huniti, M. H. (2015). Control of prostate cancer using organotin polymers. *Journal of Inorganic and Organometallic Polymers and Materials*, 25(3), 386-99.
14. Tyagi, R., Shahani, N., **Gorgen, L.**, et.al. (2015). Rheb inhibits protein synthesis by activating the PERK-eIF2a signaling cascade. *Cell Reports*, 10, 684-93.
15. Earles, J. L., Kersten, A. W., Vernon, L. L., & **Starklings, R.** (2015). Memory for positive, negative and neutral events in younger and older adults: Does emotion influence binding in event memory? *Cognition and Emotion*, e-press.
16. **Suresh, V.**, & Roner, M. R. (2015). Graphite as a matrix for organotin polymers. *Journal of Polymer Materials: An International Journal*, 32, 151-68.

17. Roner, M. R., Shahi, K., Johnson, A. M., **Sookdeo, N., Trang, N. T.**, Miller, L., Barot, G., **Islam, Z.**, & Battin, A. (2015). Control of breast cancer using organotin polymers. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 64(15), 800-814.
18. Roner, M. R., Johnson, A. M., Carraher, C. E., **Dorestant, J.**, & Al-Huniti, M. H. (2015). Group VA poly (amine Esters) containing the antibacterial ampicillin. *Journal of Inorganic and Organometallic Polymers and Materials*, 25(3), 400-410.
19. **Arnold, T.**, Barot, G., Battin, A., Shahi, K., & Roner, M. R. (2014). Organotin polymers as chemotherapeutic agents: Breast and pancreatic cancers. *Journal of Polymer Materials*, 31(1), 1-14.
20. **Ayoub, M., Ngoc, P.**, Roner, M. R. & Johnson, A. M. (2014). Synthesis and preliminary cancer activity of chelidonic acid polyesters containing the triphenylarsenic, triphenylantimony, and triphenylbismuth moiety. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 64(6), 311-19.
21. Roner, M. R., **Truong, N. T.**, Johnson, A. M., **Sookdeo, N.**, & **Trang, N. T.** (2014). Synthesis of organotin poly (ether esters) from reaction with glycyrrhetic acid and their preliminary activity against various cancer cell lines. *Inorganica Chimica Acta*, 423(B), 83-92.
22. Moric-Johnson, A., **Ngoc, P.**, & Roner, M. R. (2014). Group VA polyesters containing thiodiglycolic acid-synthesis and preliminary cancer activity. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 51(7), 547-56.
23. **Rabinowitz, A.**, Cohen, S. J., Finn, D. A., Stackman, R. W., Jr. (2014). The neurosteroid allopregnanolone impairs object memory and contextual fear memory in male C57BL/6J mice. *Hormones and Behavior*, 66, 238-246.
24. Rowan, M. J. M., **Tranquil, E.**, & Christie, J. M. (2014). Distinct Kv channel subtypes contribute to differences in spike signaling properties in the axon initial segment and presynaptic boutons of cerebellar interneurons. *The Journal of Neuroscience*, 34(19), 6611-6623.
25. Chen, D., Zhang, J., Minnerly, J., **Kaul, T.**, Riddle, D. L., Jia, K. (2014). daf-31 encodes the catalytic subunit of N alpha-acetyltransferase that regulates C. elegans development, metabolism and adult lifespan. *PLoS Genetics*, 10(10):e1004699.

#### External Presentations/Awards\* involving Undergraduate Students

*Summer 14- Spring 15*

1. **Adriana Solano**, First place Leadership Award, Latin American and Caribbean Consortium of Engineering Institutions conference in Ecuador\*
2. **Adriana Solano**, LACCEI 2014 Student International Leadership Award, LACCEI \*
3. **Aleksandar Vuk Nikolic**, 19 Annual Southwestern Conf. for Undergraduate Philosophers, Edmond, OK
4. **Alexandra Ledesman**, Moot Court Competition, Univ. of Tampa Scrimmage, Tampa, FL
5. **Alexandra Ledesman**, Moot Court Competition, American Collegiate Moot Court, Association South East Regionals, Orlando, FL
6. **Alyssa Harris**, "Leachate Collection System Clogging Vibration Table Experiments, Joint Technical Advisory Group Meeting, West Palm Beach, FL
7. **Andrew Faris**, Moot Court Competition, American Collegiate Moot Court Association South East Regionals, Orlando, FL
8. **Andrew Faris**, Moot Court Competition, Univ. of Tampa Scrimmage, Tampa, FL

9. **Andrew Horowitz**, Adapting novel bioorganic experiments utilizing cation- $\pi$  molecular interactions into the Florida Atlantic University Organic Chemistry Laboratory curriculum, ACS National Conference, Dallas, TX
10. **Arianna Gagnon**, Spectroscopic detection of metal cations using a novel small molecule sensor, Southeastern Regional Meeting of the American Chemical Society, Nashville, TN\* (won first place oral presentation)
11. **Benjamin Paley**, Moot Court Competition, American Collegiate Moot Court Association South East Regionals, Orlando, FL
12. **Benjamin Paley**, Moot Court Competition, Univ. of Tampa Scrimmage, Tampa, FL
13. **Franklin Sklar**, Moot Court Competition, Univ. of Tampa Scrimmage, Tampa, FL
14. **Juan Ramirez**, Adaptive Torque Control of In-Stream Hydrokinetic Turbines, St. John's Convention Centre, St. John's, NL, Canada, 2014 IEEE Oceans Conference
15. **Justin Dacey**, "Leachate Collection System Clogging Leachate Water Quality Update", Joint Technical Advisory Group Meeting, West Palm Beach, FL
16. **Kahlil Ricketts**, Moot Court Competition, American Collegiate Moot Court Association South East Regionals, Orlando, FL
17. **Kenneth Shelley**, Spectroscopic detection of metal cations using a novel small molecule sensor, National Meeting of the American Chemical Society, Denver, CO
18. **Lisa Deacon**, Integrating Computer-Based Technologies for Peer-Led Team Learning into Organic Chemistry Courses Integration of a Novel Green Chemistry Experiment, ACS National Conference, Dallas, TX
19. **Luna Gloria**, Adaptive Torque Control of In-Stream Hydrokinetic Turbines, 2014 IEEE Oceans Conference, St. John's Convention Centre, St. John's, NL, Canada
20. **Max Torres**, Renewable Energy, TEDx, Boca Raton
21. **Oceane Boulais**, LACCEI 2014 International Student Competition, Hilton Colon Hotel, Guayaquil, Ecuador
22. **Reid Richardson**, Propagation of Corrosion in Reinforced Mortar, NACE Corrosion, Dallas, TX
23. **Ryan Crichton**, poster: Secondary Building Unit Formation in the Hydrothermal Synthesis of Lanthanide Coordination Polymers, Florida Inorganic and Materials Symposium, Gainesville, FL
24. **Elizabeth Rubino**, Division of Nuclear Physics of the American Physical Society, Waikoloa, HI
25. **Cynthia Maceda**, Moving Us Forward 50 Years From Civil Rights to Critical Engagement Conference, Jacksonville, FL
26. **Rachel Bobich**, Geological Society of America Conference, Vancouver Canada
27. **Sonja Smith**, FL Communication Association 84th Annual Convention, Orlando, FL
28. **Rachel Turn**, 2014 American Society for Cell Biology International Federation for Cell Biology Meeting, Philadelphia, Pennsylvania
29. **Hanna Paperno**, Annual Meeting of the American Anthropological Association, Washington DC
30. **Alyssa Harris**, ASME 2014 IMECE Congress and Expo, Montreal, Canada
31. **Mumbi Ngugi**, NWSA, San Juan, Puerto Rico
32. **Alejandra Uribe**, Japan, National Model United Nations, New York City
33. **Alexander Garcia**, Temporal variability of biogenic gases in peat soils from the Everglades using capacitance moisture probes, GSA Southern, Chattanooga
34. **Alexander Garcia**, Examining biogenic gas dynamics in peat soils of the Florida Everglades using capacitance moisture probes; GEER, Coral Springs
35. **Alexander Garcia**, Temporal Variability of Biogenic Gases in Peat Soils from the Everglades using Capacitance Moisture Probes, Geological Society of America, Baltimore, Maryland
36. **Ann Baron**, Japan, National Model United Nations, National Model United Nations, New York City

37. **Anthony Esteve**, Japan, National Model United Nations, National Model United Nations, New York City
38. **Arianna Gagnon**, Spectroscopic detection of metal cations using a novel small molecule sensor, National Meeting of the American Chemical Society, Denver, CO\* (won a travel award)
39. **Arun Maharaj**, FGF-21 expression and insulin resistance to acute aerobic exercise in obese individuals, Annual SEACSM, Jacksonville, FL
40. **Ashley Spring**, Recovery communities, Southern Anthropology Association, Atlanta, GA\* (won second place)
41. **Camilla Castro**, Increased CHI3L1 expression during allergic pulmonary inflammation alters the lung parenchyma and promotes metastasis, AACR, Philadelphia, PA
42. **Carly Lambert**, A comparison of DNA quality between aged and recent monkey fecal samples, SFL Primate Group, Boca Raton, Lynn Univ
43. **Carly Wagner**, South Florida GIS EXPO, PBC Convention Center, West Palm Beach, FL
44. **Catherine Maglietta**, Japan, National Model United Nations, National Model United Nations, New York City
45. **Celina Frye**, Japan, National Model United Nations, New York City
46. **Connor Holzknacht**, Japan, National Model United Nations, New York City
47. **Denys Purdy**, "Leachate Collection System Clogging Leachate Track Experiments", Joint Technical Advisory Group Meeting, Boca Raton, FL
48. **Derek Di Scipio**, Japan, National Model United Nations, New York City
49. **Emily Morton**, Japan, National Model United Nations, New York City
50. **Felix Hartmann**, Japan, National Model United Nations, New York City
51. **Francesca Bangert**, Japan, National Model United Nations, New York City
52. **Franklin Sklar**, Moot Court Competition, American Collegiate Moot Court, Orlando, FL
53. **Gabriel Calhoun**, Japan, National Model United Nations, New York City
54. **Genis Alvarado**, Japan, National Model United Nations, New York City
55. **Jana Olivova**, Southeast Cell Science Research Symposium, Hamner Conference Center, Durham, NC
56. **Janet Weinthal**, Sea Owls Talon, National SeaPerch Competition, Dartmouth, MA\* (won first place)
57. **Jessica Diehr**, Japan, National Model United Nations, New York City
58. **Jessica Frank**, The Racial Contract, Florida Undergrad Philosophy Conference, Gainesville, FL
59. **Jessina Morhaim**, Mentoring: A Leadership Lifeline, Richard J. Stull Student Essay Competition in Health Management, Chicago, IL
60. **Joshua Bridger**, Japan, National Model United Nations, New York City
61. **Juan Ramirez**, Teaching and Learning Digital Signal Processing in visual, 2015 ASEE Annual Conference and Exposition, Seattle, Washington
62. **Julie Seay**, FURC, The mathematics and art connection- symmetry group classification algorithms, Embry-Riddle Aeronautical University, Daytona Beach, FL
63. **Justin Dacey**, "Effects of Flowmark Water Treatment", Technical Advisory Group Meeting, Boca Raton, FL
64. **Karla Armstrong**, Japan, National Model United Nations, New York City
65. **Katelyn Kelly**, Japan, National Model United Nations, New York City
66. **Kenneth Shelley**, oral presentation: Spectroscopic detection of metal cations using a novel small molecule sensor, National Meeting of the American Chemical Society, Denver, CO
67. **Kerriann Badal**, FURC, Exploring the role of rodent hippocampal D1 receptors in non-spatial object recognition memory, Embry-Riddle Aeronautical University, Daytona Beach, FL
68. **Max Torres**, LACCEI 2014 International Student Competition, Guayaquil, Ecuador

69. **Melanie Oates**, Japan, National Model United Nations, New York City
70. **Melody DeSanto**, Japan, National Model United Nations, New York City
71. **Mike Sanchez**, Japan, National Model United Nations, New York City
72. **Morgan Donnelly**, Japan, National Model United Nations, New York City
73. **Nathalia Gazaniga**, Allergen induced pulmonary inflammation enhances mammary tumor growth and metastasis: Role of CHI3L1, Philadelphia, PA
74. **Nathalia Gazaniga**, Pre-existing pulmonary inflammation increases CHI3L1 levels & myeloid cell populations in a breast cancer metastasis model, Philadelphia, PA
75. **Nicole Nachtsheim**, Japan, National Model United Nations, New York City
76. **Oceane Boulais**, Renewable Energy, TEDx, Boca Raton
77. **Oceane Boulais**, FURC, Applied Electronics Bootcamp: The enhancement of electrical engineering curriculum through student-directed learning programs, Embry-Riddle Aeronautical University, Daytona Beach, FL
78. **Paul Scesa**, FURC, New terpenoids from the Caribbean gorgonian *Pseudopterogorgia acerosa*, Embry-Riddle Aeronautical University, Daytona Beach, FL
79. **Rachel Berrie**, FURC, Targeting abnormal metabolism in breast adenocarcinoma cell lines to induce an immunogenic phenotype, Embry-Riddle Aeronautical University, Daytona Beach, FL
80. **Randy Ellis**, FURC, Effect of epigallocatechin gallate in inducing regulated cell death in H460 lung cancer cells, Embry-Riddle Aeronautical University, Daytona Beach, FL
81. **Rachel Bobich, Nicole Gamboa**, NCUR, Case Study: The Variance of Water Quality Parameters to Depth In Coupon Bight, Eastern Washington University
82. **Oceane Boulais, Max Torres**, NCUR, Applied Electronics Bootcamp: The Enhancement Of Electrical Engineering Curriculum Through Student-Directed Learning Programs, Eastern Washington University
83. **Melanie Felia**, NCUR, Syngap1 Haploinsufficiency Affects Morphological Structures In Somatosensory Cortex Neurons, Eastern Washington University
84. **Danick Joseph**, NCUR, The over-Expression of BDNF On Adult Neurogenesis and Seizure Vulnerability, Eastern Washington University
85. **Darius Mills**, NCUR, Novel Protein, Trud, Binds To Oxidized RNA And Increases Cell Viability In E. Coli Under Oxidative Stress, Eastern Washington University
86. **Ian Moore**, NCUR, The Political, Environmental, And Economic Impact of Drycleaners, Eastern Washington University
87. **Shalondria Sears**, NCUR, Single Cell Force Spectroscopy To Characterize The Interaction Between Two Peemp1 Domains and Monocytes, Eastern Washington University
88. **Vallabh Suresh**, NCUR, New Methods For The Synthesis of Lariat Ethers: Applications To The Mild And Rapid Hydrolysis of Carboxylicesters, Eastern Washington University
89. **Nirthieca Suthakaran**, NCUR, The Effects of MSRA And MSRB In Anoxia Tolerance In Aging *Drosophila Melanogaster*, Eastern Washington University
90. **Shalondria Sears**, LSSF, Single cell force spectroscopy to characterize the interaction between two *Plasmodium falciparum* domains and host immune cells, Indian River State College Pruitt Campus
91. **Nathalia Gananiga**, LSSF, Increased CHI3L1 Levels due to Preexisting Pulmonary Inflammation Accelerates Breast Cancer Metastasis, Indian River State College Pruitt Campus
92. **Rachel Berrie**, LSSF, Targeting Abnormal Metabolism in Breast Adenocarcinoma Cell Lines to Induce an Immunogenic Phenotype (Response?), Indian River State College Pruitt Campus
93. **Camilla Castro**, LSSF, Chitinase-3-like-1 (CHI3L1) expressed during allergic pulmonary inflammation promotes metastasis of mammary tumor cells to the lung, Indian River State College Pruitt Campus

94. **Jana Olivova**, LSSF, The effects of oxytocin and cortisol pre-and postpartum levels in mother–infant bonding, Indian River State College Pruitt Campus
95. **Paul Scesa**, LSSF, New acidic terpenoids from Pseudopterogorgia acerosa, Indian River State College Pruitt Campus
96. **Joseph Danick**, LSSF, The over-expression of BDNF on adult neurogenesis and seizure vulnerability, Indian River State College Pruitt Campus
97. **Andrew Bent**, LSSF, Indian River State College Pruitt Campus
98. **Ryan Crichton**, FURC, Secondary building unit formation in the hydrothermal synthesis of lanthanide coordination polymers, Embry-Riddle Aeronautical University, Daytona Beach, FL
99. **Sergeine Lezeau**, FURC, Accelerating HIV eradication by defining how patients’ clinical, biological, and socio-demographical factors contribute to the size of the HIV reservoir, Embry-Riddle Aeronautical University, Daytona Beach, FL
100. **Sara Thomas**, FURC, Invasive lionfish diet composition from summer roundups, Embry-Riddle Aeronautical University, Daytona Beach, FL
101. **Shalondria Sears**, FURC, Single cell force spectroscopy to characterize the interaction between two PfEMP1 domains and monocytes, Embry-Riddle Aeronautical University, Daytona Beach, FL
102. **Danick Joseph**, FURC, The effect of BDNF over-expression on adult neurogenesis and seizure vulnerability, Embry-Riddle Aeronautical University, Daytona Beach, FL
103. **Stevens Dormezil, Samuel Schlegel**, FURC, The mathematics and art connection- symmetry group classification algorithms, Embry-Riddle Aeronautical University, Daytona Beach, FL
104. **Evan Latshaw**, FURC, Development of bio-inspired flexible propulsors for the next generation of highly maneuverable underwater vehicles, Embry-Riddle Aeronautical University, Daytona Beach, FL
105. **Paul Scesa**, The American Chemical Society National Conference, Denver, CO
106. **Alexander Bambula**, Florida Political Science Association Annual Meeting, Orlando, FL
107. **Deniz Dolun**, Florida Political Science Association Annual Meeting, Orlando, FL
108. **Rachel Bobich**, NCUR, , Eastern Washington University
109. **Michael Kiken**, Isolation of antibiotic-producing bacteria form South FL soils: the Small World Initiative at FAU, ASMCUE, Austin, Tx
110. **Joshua Coniff**, APS 2015 annual conference, New York, NY
111. **Martha Narvaez**, Isolating antibiotic- producing bacteria from South Florida Soils and Testing them against ESKAPE Pathogen Relatives and C. albicans: The Small World Initiative at FAU, ASMCUE, Austin, Tx
112. **Alex Voitkov**, Isolating antibiotic- producing bacteria from South Florida Soils and Testing them against ESKAPE Pathogen Relatives and C. albicans: The Small World Initiative at FAU, ASMCUE, Austin, Tx
113. **Mohamed Elbashir**, Isolating antibiotic- producing bacteria from South Florida Soils and Testing them against ESKAPE Pathogen Relatives and C. albicans: The Small World Initiative at FAU, ASMCUE, Austin, Tx
114. **Jessica Frank**, first place , Jack Miller Forum\*
115. **Madison Spear**, National Society of Arts and Letters Award in Acting, NSAL\*