



Poster Session Abstract Titles

(Listed Alphabetically by Author)

1. ALVARADO-VAZQUEZ A, BERNAL L, PAIGE C, ROMERO-SANDOVAL EA
Induction of an M2 phenotype in human macrophages via CD163 gene induction using nanotechnology
Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
2. ALVARADO-VAZQUEZ A, BORT-BUENO AC, ROMERO-SANDOVAL EA, ASBILL CS
Targeting the cannabinoid system in keratinocytes and fibroblasts to treat peripheral neuropathies. A preliminary in vitro approach.
Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
3. BLANKENSHIP C, BURNS SC
Attachment in Sibling Pairs: When Close Bonds Lead to Co-Rumination
Presbyterian College
4. BORDELON A, ASKEW A
Persistence of Avoidance Behavior in Defeated Male Syrian Hamsters
Department of Psychology, Presbyterian College
5. BORDELON A, SPATTA B
Type D Attachment in Adolescents
Department of Psychology, Presbyterian College
6. BRUCE AA, GREGORY RA, FARRAND AQ, SCHNELLMANN RG, BOGER HA
5HT receptor-agonist-induced mitochondrial biogenesis as a novel treatment for Parkinson's disease
Department of Neuroscience and Center on Aging; Department of Drug Discovery and Biomedical Sciences, Medical University of South Carolina, Department of Psychology and Program of Neuroscience, College of Charleston
7. BRYSON EB, ASBILL CS
Analgesic Efficacy and Penetration of Compounded Topical Gabapentin Creams: Finding an Optimal Dose and Pre-Treatment Time.
Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
8. CASEY BK, GOODMAN JI, WILHELM JC
Sensory Neuron Regeneration Occurs in a Sex-Dependent Manner After Complete Nerve Transection
Department of Biology, Program in Neuroscience, Department of Psychology, College of Charleston
9. CHICHESTER K, LUCA S, NAUERT E, KAUR A, & FOO P
Cognitive Brain Training may Improve Your Mind, but it's no Magic Bullet
Department of Psychology; Department of Biology, UNCA

10. CHRISTIE J, BONNAN A, OLIVOVA J
Purkinje Cell Specific ChR2 Expression
Max Planck Florida Institute for Neuroscience
11. COBB SM, DARRACOTT CA
Can Your Cognitive Style Influence Your Faith? Religiosity's Association with Cognitive Flexibility and Action Identification
Department of Psychology, Presbyterian College
12. COONEY PC, HUGHES M, KOREY CA
Autotomization and Recovery in the Snapping Shrimp, *Alpheus angulosus*
Department of Biology, Program in Neuroscience, College of Charleston
13. DARLING MT, BELSKI HM, STAHLMAN WD, WATERS RP
Exploring sociality of mice to model human psychopathology
Department of Biology; Department of Psychological Science, University of Mary Washington
14. DIAMOND ZM, BLACKWELL C
Combating Joy of Destruction via Prosocial Behavior
Department of Biology and Program in Neuroscience; Department of Economics, College of Charleston
15. DRISCOLL G, CHOPKO R, BIRGBAUER E
The examination of autotaxin in the production of LPA as an axon guidance molecule in chicken retinal ganglion cells
Department of Biology, Winthrop University
16. FERREIRA DW, MORACHO-VILRIALES C, ALVARADO A, MORON CU, ROMERO-SANDOVAL EA
CD163 receptor in macrophages promotes a more efficient wound healing process: Potential therapy to reduce chronic pain.
Department of Pharmacology, University of São Paulo – Ribeirão Preto Medical School, Ribeirão Preto, Brazil, Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
17. GARIMELLA H, JIN A, SMITH P
Structural and AFM Analyses of Alzheimer's Amyloid Beta Assembly
National Institutes of Health
18. GIBSON, AD; BOROUJERDI, AFB ; SEALEY, LA; BAGASRA, O
Metabolomics and Autism: Utilizing Neuroblastoma cells in exposure to fragrance to uncover biomarkers of autism spectra disorders
Department of Biology, Claflin University
19. GOODMAN, JI, CASEY, BK, WILHELM, JC
Effect of Estrogen Administration on Sensory Axon Regeneration Following Sciatic Nerve Transection
Department of Biology, Program in Neuroscience, Department of Psychology, College of Charleston
20. GROSICK RL, ALVARADO-VAZQUEZ PA, FERRERIA DW, ROMERO-SANDOVAL EA
CD163-overexpressing human macrophages and wound healing in a human full-thickness skin model
Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
21. GUARD BG, BUFFALARI D
The Role of Acetylcholine During Expression of Amphetamine-Conditioned Place Preference in a Rat Model of Addiction
Department of Psychology, Westminster College

22. HALL C, WHITFIELD K, WRIGHTEN S
Prosocial behavior modulated by light-induced stress
Department of Biology, Francis Marion University
23. HANNA SW, BRENT JJ, MICHAELS JL
Singing as Therapy for Cognitive Communication Impairments
Departments of English and Psychology, Presbyterian College
24. HSU HH, BIRGBAUER E
Investigating the Role of an Lpar2 Variant (ChEST973j21) in Cellular Signaling in B103 Neuroblastoma Cells
Department of Biology, Winthrop University
25. ISAAC JS, BELANGER KH, UPRIGHT NA, RAMIREZ JJ
The Contribution of Septal Cholinergic Neurons to the Heterosynaptic Interaction with the Perforant Path in the Dentate Gyrus
Neuroscience Program, Davidson College
26. JENKINS JW, EL BEJJANI RE
The effect of Alzheimer's disease gene APP/apl-1 on neuron development
Davidson College
27. JORDAN K, WHITFIELD K, HALL C, KELIS D, WRIGHTEN SA
Evidence of Prosocial Behavior in Rats in a Mildly Stressful Situation
Francis Marion University
28. JOSEPH D, PUTZKE T, LÜBBERT M, SATTEFIELD R, KAMASAWA N, YOUNG JR. SM
Overexpression of the Cav2.1 a1 subunit and the effects on Cav2.1 voltage gated calcium channel numbers at Active Zone
Max Planck Florida Institute for Neuroscience
29. KELLIS DM, WRIGHTEN SA
Prior Experience is Insufficient for the Enhancement of Pro-social Behavior in Rats
Department of Biology, Francis Marion University
30. KIM EY, KIM AH
Detection of Chemical irritants by the earthworm, Lumbricus Terrestris
Wake Forest University
31. KNEELAND K, PAXTON R, SULLIVAN M, GENDLE M
Alcohol Use and Performance on the Iowa Gambling Task
Department of Psychology, Elon University
32. LEARY M, STEINECKE A, TANIGUCHI H
A comparison of intrinsic and transplanted Chandelier cells during cortical development in Mice
Max Planck Florida Institute for Neuroscience
33. LLOYD JJ, MCGONIGAL JT, NEWSOM RJ, GASS JT
Manipulation of alcohol related memories as a treatment for Alcohol Use Disorder
Department of Biology and Program in Neuroscience, College of Charleston; Department of Neurosciences, Medical University of South Carolina

34. MASON CL, HUGENSCHMIDT CE, SORIANO CT,
Impact of Improvised Dance on Balance for Patients with Dementia and Their Caregivers
Section on Gerontology and Geriatric Medicine, Wake Forest School of Medicine; Department of Theatre and Dance, Wake Forest University
35. MCDOUGLE MJ, BURNETT EJ, CHANDLER LJ
Effect of adolescent intermittent ethanol exposure on choline acetyltransferase expression
Department of Biology, College of Charleston; Department of Neuroscience, Medical University of South Carolina
36. MCKENDRICK GE, KINLEY-COOPER SK, KING BS, RUSCIO MG
Effects of Social Environment and Development on Estrogen Receptor Alpha Expression in a Monogamous Mouse Species: *Peromyscus californicus*
Department of Psychology and Program in Neuroscience, College of Charleston
37. MORACHO-VILRRIALES C, PRESTIA J, PRUITT III J, THREATT T, WAGNER S, ROMERO-SANDOVAL EA
Association of HbA1c and painful diabetic neuropathy in a rural area diabetic population of South Carolina
Department of Pharmaceutical and Administrative Sciences, Presbyterian College School of Pharmacy
38. NASO C, LOM B
Three-Dimensional Visualization of Dopaminergic Neuron Clusters in *Xenopus laevis*
Department of Biology, Davidson College
39. OLIVOVA J, BONNAN A, CHISTIE J
Purkinje Cell Specific ChR2 Expression
Max Planck Florida Institute for Neuroscience
40. OU J, CLELAND CL
Escape response of Madagascar cockroaches (*Gromphadorhina portentosa*) to looming and localized heat stimuli
Department of Biology, James Madison University
41. POTHARAJU PP, UPRIGHT NA, RAMIREZ JJ
Effect Of Bilateral Entorhinal Cortex Lesions On Spatial Working Memory In Rats
Neuroscience Program, Davidson College
42. RICHARDSON KE, MICHAELS JL
Coaching Cues on Motivation and Athletic Performance
Department of Psychology, Presbyterian College
43. SASSER TK, SLEDGE RA, MOORE EJ, JOHNSON HL, KAPLAN ZS, QUICK CR, PAVELKA MN
Using IMPULSE in International Medical Undergraduate Education
The Honors College, Appalachian State University
44. SAWYER, LE, GALUSKA, CM
Regulation of Rats' Fluid Intake by Transitions in Food Reward
Department of Psychology and Program in Neuroscience, College of Charleston
45. SCHWARTZ DJ, SPENCER SM, ALLEN NP, SCOFIELD MD, KALIVAS PW
Development of a rodent model of $\Delta 9$ -Tetrahydrocannabinol Self-Administration
Department of Biology and Neuroscience Program, College of Charleston; Department of Neurosciences, Medical University of South Carolina

46. SHANNAHAN MS, KOHMAN RA
Therapeutic approaches to attenuate cognitive decline in an Alzheimer's disease model
Department of Psychology, Department of Biology, University of North Carolina at Wilmington
47. SHANNON M, STRICKLAND J, ROUND J, LOM B
Investigating Functional Roles for Slitrk1 in Zebrafish Spinal Cord Development
Biology Department & Neuroscience Program, Davidson College; Biology Department & Neuroscience Program, Ursinus College
48. SIEBELS AA, CHILDS AM, SCHMIDT JX, REIMAN KL, CLELAND CL
Looming stimuli evoke a turning escape response mediated by cerci in crickets
Department of Biology, James Madison University
49. SNAPP KS, SHULBACK AT, GENDLE MH
Relationship Between Total Cholesterol Levels and Performance on the Conners Continuous Performance Test II
Department of Psychology, Elon University
50. SPEAGLE M, BRUMMER D
Acute ethanol exposure decreases excitatory transmission in *Procambarus clarkii* (crayfish) neuromuscular junction
Department of Biology, Wake Forest University
51. STELLING R, PARTELOW J, ABEE A, SHARPE B, NASH K, GOODBAR N
Evaluating the frequency of appropriate metabolic monitoring in Hospital Inpatients on Second Generation Antipsychotics
Presbyterian College School of Pharmacy
52. THOMPSON B, HOLLIDAY E, CLEMENTS J
Perception of sleep habits on glycemic control among patients with type 2 diabetes mellitus at a rural-health family medicine clinic
Presbyterian College School of Pharmacy
53. TRAN N, YU J
Characterization of Rab10 Conditional Knock Out
Max Planck Florida Institute for Neuroscience
54. TROMP M, JACOB A, WILSON D, FITZPATRICK D
Maturation in Laminar Distribution of Inhibitory Neurons during Development
Department of Functional Architecture and Development of Cerebral Cortex, Max Planck Florida Institute for Neuroscience
55. UNROE KA, FRUCHTERMAN TC, FRANSSSEN CL, FRANSSSEN RA
Decision to Care for Offspring by Maternal Rats Determined by Processing in the Frontal Cortex, Amygdala, and whether a she is a "Good" or "Bad" Mom
Department of Biological and Environmental Sciences, Longwood University
56. VERDI G, SEAMON KM, CHRZAN CA, CARTER LC, SAMMONS KM, LEE J, SORIAGALVARRO JC, KABORE MN, CLELAND CL
Rat hindlimb nociceptive withdrawal response to heat and mechanical stimuli depends on the initial position of the paw but not stimulus location
Department of Biology, James Madison University

57. VOISIN KL, BARRY SM, MCGINTY JF
Inhibition of SRC Family Kinases Prevents the Suppressive Effect of BDNF on Cocaine-seeking
Department of Biology and Program in Neuroscience, College of Charleston; Department of Neurosciences, Medical University of South Carolina
58. VOLLMER K, PATEL N, RUSCIO M, KOREY C
Central Nervous System Neuroanatomy of the Snapping Shrimp, *Alpheus angulosus*: Towards a Model of Adult Neurogenesis
Department of Biology, Department of Psychology, Program in Neuroscience, College of Charleston
59. WILLIS D, ASKEW A
Retention of Conflict-Induced Avoidance Behavior in Male Syrian Hamsters
Department of Psychology, Presbyterian College
60. YOUNG L, STICKLE, M, WILLIAMS DC
The Role of Calcium in ROS-Mediated Neurodegeneration in *C. elegans*
Department of Biology, Coastal Carolina University