

Lisa S. Robison, Ph.D.

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Updated: 10/03/2024

ACADEMIC POSITIONS

Primary

- August 2021 – **Assistant Professor of Neuroscience**
Present **Nova Southeastern University** (Fort Lauderdale, FL)
Department of Psychology and Neuroscience
- August 2020 – **Visiting Assistant Professor**
August 2021 **Stetson University** (DeLand, FL)
Department of Psychology
- August 2017 – **Postdoctoral Research Scientist & Instructor**
August 2020 **Albany Medical College** (Albany, NY)
Department of Neuroscience and Experimental Therapeutics
Principal Investigator: Dr. Kristen L. Zuloaga
Sex differences in vascular and metabolic contributions to dementia

Affiliate

- August 2020 – **Adjunct Assistant Professor**
Present **Albany Medical College** (Albany, NY)
Department of Neuroscience and Experimental Therapeutics
- January 2019 – **Lecturer**
May 2019 **University at Albany - State University of New York** (Albany, NY)
Department of Psychology
- August 2014 – **Adjunct Assistant Professor**
May 2015 **The State University of New York College at Old Westbury** (Old Westbury, NY)
Department of Psychology

EDUCATION & TRAINING

- August 2012 – **Ph.D. in Integrative Neuroscience**
August 2017 **Department of Psychology; Stony Brook University** (Stony Brook, NY)
Thesis Advisors: Dr. John K. Robinson & Dr. William E. Van Nostrand (Neurosurgery)
Effects of exercise and enriched environment in mouse models of healthy aging and dementia
- M.A. in Psychology** (awarded August 2014)
Department of Psychology; Stony Brook University (Stony Brook, NY)
Thesis Advisor: Dr. Panayotis K. Thanos
A pharmacokinetic model of oral methylphenidate treatment in the rat and effects on behavior; Effects of exercise on addiction-related behavior and neurobiology

August 2004 – **B.A. in Molecular Biology**
May 2008 **Department of Biology; Colgate University** (Hamilton, NY)
Thesis Advisor: Dr. Nancy Pruitt
Isolation of potential cryoprotective genes in Eurosta solidaginis, a freeze-tolerant organism

Dec 2010 – Aug 2012 **Biological Scientist**
Sept 2008 – Dec 2010 **Postbaccalaureate Intramural Research Training Award Fellow** (NIH-funded)
Summers 2007, 2008 **Student Undergraduate Laboratory Intern** (DOE-funded)
Summers 2005, 2006 **Undergraduate Research Assistant** (Volunteer)
Brookhaven National Laboratory (Upton, NY) (2005-2013)
Stony Brook University (Stony Brook, NY) (2013-2015)
Behavioral Neuropharmacology & Neuroimaging Laboratory
Principal Investigators: Dr. Panayotis K. Thanos; Dr. Nora D. Volkow

GRANTS & FELLOWSHIPS

STATUS: ACTIVE/AWARDED

6/1/2023 – 3/31/2025 **Small Research Grant Program for the Next Generation of Researchers in AD/ADRD (R03)**
Title: Effects of Mild Traumatic Brain Injury in a Mouse Model of Cerebral Amyloid Angiopathy
Determine whether repeated mild traumatic brain injury influences behavior and pathology in a mouse model of cerebral amyloid angiopathy
Role: PI
Status of Support: Active (**IMPACT SCORE: 29; PERCENTILE: 5.0%**)
Project Number: 1R03AG081865-01
Source of Support: National Institutes of Health (National Institute on Aging)
Total Award Amount (including Indirect Costs): \$308,000

4/1/2022 – 3/31/2024 **American Heart Association Institutional Enhancement Research Award**
Title: Targeting the Renin-Angiotensin System to Ameliorate Cerebral Amyloid Angiopathy
Determine whether angiotensin receptor blockers (ARBs) and Mas receptor agonists can be used to treat early and mid-stage cerebral amyloid angiopathy in a mouse model
Role: PI
Status of Support: Active
Project Number: 946666
Source of Support: American Heart Association (**PERCENTILE: 6.7%**)
Total Award Amount (including Indirect Costs): \$154,000

6/1/2024 – 2/28/2026 **Ed and Ethel Moore Alzheimer's Disease Research Program**
Title: Elucidating the effects of motherhood and infant contact on neural and behavioral symptoms of Alzheimer's disease (AD) in a transgenic AD mouse model
Role: Co-PI (PI: Mary "Allie" Holschbach; Nova Southeastern University)
Status of Support: Active
Source of Support: Florida Department of Health
Total Award Amount (Including Indirect Costs): \$100,000

7/1/2022 – 6/30/2025 **Faculty Research Fellowship**
Title: Sex differences in the effects of diet and the role of the renin-angiotensin system
Further explore sex differences in the effects of high fat and ketogenic diet on the brain and behavior, including changes in neuroinflammation and cerebrovascular integrity. Determine the

effects of high fat and ketogenic diets on the renin-angiotensin system in the brain and periphery and assess whether drugs that target the renin-angiotensin system (already FDA-approved to treat hypertension and heart disease) may protect against the adverse effects of high fat diet.

Role: PI

Status of Support: Active

Project Number: N/A

Source of Support: Nova Southeastern University – College of Psychology

Total Award Amount: \$9,000 + 6 course releases over 3 years

4/1/2023 –
3/31/2027

Support for Research Excellence (SuRE) Program (R16)

Title: Sex-based differences of a high fat diet in Alzheimer's disease (AD): Can nilotinib reverse bioenergetic and neuropathological deficits?

Role: Co-I

PI: Benedict Albeni; Nova Southeastern University

Status of Support: Active (**IMPACT SCORE: 30**)

Project Number: 1R16NS134540-01

Source of Support: National Institutes of Health (NINDS)

Total Award Amount (including Indirect Costs): \$616,000

4/1/2023 –
3/31/2027

Undergraduate Research Training Initiative for Student Enhancement (U-RISE) (T34)

Title: U-RISE at Nova Southeastern University

Role: Faculty Mentor

PI: Peter Gannett; Nova Southeastern University

Status of Support: Active

Project Number: 1T34GM145509-01A1

Source of Support: National Institutes of Health (NIGMS)

Total Award Amount (including Indirect Costs): \$1.5 million

STATUS: PENDING

12/1/2024 –
11/30/2027

Research Enhancement Award (R15)

Title: Comparison of Tirzepatide, Retatrutide, and Crocetin, for Mitigation of Alzheimer's like Pathology in a Mouse Model of Alzheimer's Disease

Role: Co-PI (PI: Robert Speth; Nova Southeastern University)

Status of Support: Pending (**IMPACT SCORE: 38; PERCENTILE: 11**)

Project Number: 1R15AG091199-01

Source of Support: National Institutes of Health

Total Award Amount (including Indirect Costs): \$462,000

STATUS: COMPLETED

7/1/2022 –
12/31/2023

President's Faculty Research Development Grant

Title: Repurposing Cardiovascular Medications for the Treatment of Dementia

To determine whether medications already approved to treat cardiovascular diseases may be protective against dementia in a mouse model.

Role: PI

Status of Support: Completed

Project Number: 334867

Source of Support: Nova Southeastern University

Total Award Amount: \$15,000

2023-2024	Undergraduate Student Honors Thesis Funding Title: Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal Role: Faculty Mentor (Mentee: Eleanor Wind) Status: Active Source of Support: Nova Southeastern University Farquhar Honors College Total Award Amount: \$1400
2022-2023	Undergraduate Student Honors Thesis Funding Title: Sex differences in the effects of a ketogenic diet and high-fat diet on adult hippocampal neurogenesis Role: Faculty Mentor (Mentee: Zachary Lawrence) Status: Completed Source of Support: Nova Southeastern University Farquhar Honors College Total Award Amount: \$750
2022-2023	Undergraduate Student Honors Thesis Funding Title: Sex-specific effects of high-fat and ketogenic diet on inflammatory responses in the hippocampus Role: Faculty Mentor (Mentee: Shalet James) Status: Completed Source of Support: Nova Southeastern University Farquhar Honors College Total Award Amount: \$750
2022	Dana Foundation's Brain Awareness Week Outreach Grants Program Title: <u>Lobe Your Brain!</u> These funds supported Brain Awareness Week events at NSU in March, 2022 Status of Support: Completed Role: Co-PI (w/ Leanne Boucher, NSU Psychology) Source of Support: Dana Foundation Total Award Amount (including Indirect Costs): \$1,500
2021	Nina B. Hollis Institute for Education Reform Mini Grants <u>2021 Stetson Brain Bee</u> (\$1500) These funds supported a Brain Bee Competition, hosted by Stetson University Role: Co-PI (w/ Camille King, Stetson University Psychology) Source of Support: Stetson University (Deland, FL)
2016	Stony Brook University Biopsychology Founders Endowed Fellowship for Research Source of Support: Stony Brook University (Stony Brook, NY)
2013 – 2016	Stony Brook University Travel Grant
2008 – 2010	Postbaccalaureate Intramural Research Training Award (IRTA) Funding Source: National Institutes of Health/Brookhaven National Laboratory
Summer 2007 & Summer 2008	Student Undergraduate Laboratory Internship (SULI) Funding Source: Department of Energy/Brookhaven National Laboratory

HONORS & AWARDS

- 2023 **Provost's Research and Scholarship Award** (Assistant Professor Award in STEM and Health Medicine) – Nova Southeastern University
- 2020 **Elizabeth Young New Investigator Award** – Organization for the Study of Sex Differences
- 2017 **President's Award for Excellence in Teaching by a Graduate Student**
Stony Brook University (Stony Brook, NY) – institution-wide award
https://www.stonybrook.edu/commcms/grad/awards/grad_profiles_2017/President_Teaching_Robison.php
- 2016 **Psychology Department Award for Excellence in Teaching**
Stony Brook University (Stony Brook, NY)
- 2016 **Stony Brook University's Distinguished Doctoral Student – Psychology Dept. Nominee**
Stony Brook University (Stony Brook, NY)
- 2006 **Beta Beta Beta Biological Honor Society Inductee**
Colgate University (Hamilton, NY)
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PUBLICATIONS (citations=1367; h-index=23; i-10 index=29)

<https://www.ncbi-nlm-nih-gov.ezproxylocal.library.nova.edu/myncbi/lisa.robison.1/bibliography/public/>

Published manuscripts:

35. Anderson, M.E., Wind, E., **Robison, L.S.** 2024. Exploring the Neuroprotective Role of Physical Activity in Cerebral Small Vessel Disease. *Brain Res.* 2024 Jun 15;1833:148884. doi: 10.1016/j.brainres.2024.148884. Epub 2024 Mar 23. PMID: 38527712.
34. Abi-Ghanem C, Salinero AE, Riccio D, Kelly RD, Rybka KA, Gannon OJ, Kordit D, Kyaw N-R, Mansour F, Belanger KM, Trasher CA, Wang MK, Groom E, Smith RM, Brooks HL, **Robison LS**, Zuloaga DG and Zuloaga KL. 2024. Effects of menopause and high fat diet on metabolic outcomes in a mouse model of Alzheimer's disease. *Journal of Alzheimer's Disease.* 2024 Sep 16. doi: 10.3233/JAD-231332. Epub ahead of print. PMID: 39302361.
33. **Robison LS**, Gannon OJ, Salinero AE, Abi-Ghanem C, Kelly RD, Riccio DA, Mansour FM, Zuloaga KL. 2023. Sex differences in metabolic phenotype and hypothalamic inflammation in the 3xTg-AD mouse model of Alzheimer's disease. *Biology of Sex Differences.* 2023 Aug 9;14(1):51. doi: 10.1186/s13293-023-00536-5.
32. Abi-Ghanem C, Salinero AE, Kordit D, Mansour FM, Kelly RD, Venkataganesh H, Kyaw NR, Gannon OJ, Riccio D, Fredman G, Poitelon Y, Belin S, Kopec AM, **Robison LS**, Zuloaga KL. 2023. Sex differences in the effects of high fat diet on underlying neuropathology in a mouse model of VCID. *Biology of Sex Differences* 14(1):31. doi: 10.1186/s13293-023-00513-y.
31. Freeman-Striegel L, Hamilton J, Kannappan R, Bell T, **Robison L**, Thanos PK. 2023. Chronic Δ9-tetrahydrocannabinol treatment has dose-dependent effects on open field exploratory behavior and [3H] SR141716A receptor binding in the rat brain. *Life Sciences* 327:121825. doi: 10.1016/j.lfs.2023.121825.

30. Boa Sorte Silva, N.C., Bracko, O.*, Nelson, A.R.*, de Oliveira, FF.*, **Robison, L.S.***, Shaaban, C.E.*, Snyder, H., Hainsworth, A., Price, B.R. 2022. Perspectives and priorities for future research on vascular contributions to cognitive impairment and dementia: An Early Career Researcher perspective. *Alzheimers Dement (Amst)* 14(1):e12310. doi: 10.1002/dad2.12310. ***equal contributions**
29. **Robison, L.S.***, Gannon, O.*, Salinero, A.E., Thomas, M., Mansour, F., Tyagi, A., Brawley, R., Ogg, J., Zuloaga, K.L. 2021. Sex differences in the effects of high fat diet on cognitive function and pathology in mouse models of Alzheimer's disease and mixed-etiology dementia. *Journal of Neuroinflammation* 19(1):110. doi: 10.1186/s12974-022-02466-2.
***equal contributions; LSR and OG are co-first authors**
28. Connor, C.[#], Hamilton, J., **Robison, L.**, Hadjiargyrou, M., Thanos, P.K. 2021. Abstinence from chronic methylphenidate exposure modifies cannabinoid receptor 1 levels in the brain in a dose-dependent manner. *Current Pharmaceutical Design* 28(4):331-338.
27. **Robison, L.S.***, Gannon, O.*, Thomas, M., Salinero, A.E., Abi-Ghanem, A.E., Poitelon, Y., Belin, S., Zuloaga, K.L. 2020. Role of sex and high fat diet in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease. *Journal of Neuroinflammation* 17(1):285. ***equal contributions**
26. Salinero, A., **Robison, L.S.**, Gannon, O.J., Riccio, D., Galloway, A., Zuloaga, K.L. 2020. Sex-specific effects of high fat diet on cognitive impairment in a mouse model of vascular dementia. *FASEBJ* 34(11):15108-15122.
25. Abi-Ghanem, C., **Robison, L.S.**, Zuloaga, K.L. 2020. Androgens' effects on cerebrovascular function in health and disease. *Biology of Sex Differences* 11(1):35.
24. Zhang, Y., Fung, I., Sankar, P., Chen, X., **Robison, L.S.**, Ye, L., Salinero, A., Kuentzel, M.L., Chittur, S.V., Zuloaga, K.L., Yang, Q. 2020. Depletion of NK cells improves cognitive function in mice with Alzheimer's disease pathology. *Journal of Immunology* 205(2):502-510.
23. **Robison, L.S.**, Francis, N., Popescu, D.L., Anderson, M.E., Hatfield, J., Xu, F., Anderson, B.J., Van Nostrand, W.E., Robinson, J.K., Van Nostrand, W.E. 2020. Environmental enrichment: Disentangling the influence of novelty, social and physical activity on cerebral amyloid angiopathy in a transgenic mouse model. *International Journal of Molecular Sciences*, 21(3), 843.
22. Fung, I.T.H., Zhang, Y., Sankar, P.J., **Robison, L.S.**, Zhao, X., D'Souza, S.S., Salinero, A., Wang, J.Y., Qian, J., Temple, S., Zuloaga, K., Yang, Q. 2020. Group 2 innate lymphoid cells accumulate in the aged brains and their activation alleviates aging-related cognitive decline. *Journal of Experimental Medicine*, 217 (4): e20190915.
*****Featured in Newsweek & 11 other news outlets**
<https://www.newsweek.com/scientists-reverse-age-related-thinking-problems-mice-1485589>
21. **Robison, L.S.**, Albert, N., Camargo, L., Anderson, B.M., Salinero, A.E., Riccio, D.A., Abi-Ghanem, C., Gannon, O.J., Zuloaga, K.L. 2019. High fat diet-induced obesity causes sex-specific deficits in adult hippocampal neurogenesis in mice. *eNeuro*, 7(1).
*****Selected for Society for Neuroscience press promotion & featured article on eNeuro homepage**
*****Received F1000Prime recommendation** <https://facultyopinions.com/prime/737129771>
20. Francis, N., **Robison, L.S.**, Popescu, D.L., Michaelos, M., Hatfield, J., Xu, F., Davis, J., Anderson, M.E., Anderson, B.J., Van Nostrand, W.E., Robinson, J.K. 2019. Voluntary wheel running reduces amyloid- β 42 and rescues behavior in aged Tg2576 mouse model of Alzheimer's disease. *Journal of Alzheimer's Disease* (online).
19. **Robison, L.S.**, Popescu, D., Anderson, M.E., Francis, N., Hatfield, J., Sullivan, J., Beigelman, S.I., Xu, F., Anderson, B.J., Van Nostrand, W.E., Robinson, J.K. 2019. Long-term voluntary wheel running does not alter

vascular amyloid burden but reduces neuroinflammation in the Tg-SwDI mouse model of cerebral amyloid angiopathy. *Journal of Neuroinflammation*, 16(1), 144.

18. Swenson, S., Hamilton, J., **Robison, L.**, Thanos, P. K. 2019. Chronic aerobic exercise: Lack of effect on brain CB1 receptor levels in adult rats. *Life Sciences*, 230, 84-88.
17. **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Zuloaga, K.L. 2018. Contributions of sex to cerebrovascular function and pathology. *Brain Research*, 1710, 43-60.
16. Gannon, O.J., **Robison, L.S.**, Custozzo, A., Zuloaga, K.L. 2018. Sex differences in risk factors for vascular contributions to cognitive impairment & dementia. *Neurochemistry International*, 127, 38-55.
15. **Robison, L.S.**, Alessi, L.A., Thanos, P.K. 2018. Chronic forced exercise inhibits stress-induced reinstatement of cocaine conditioned place preference. *Behavioural Brain Research*, 353, 176-184.
14. **Robison, L.S.**, Swenson, S., Hamilton, J., Thanos, P.K. Exercise reduces dopamine D1R & increases D2R in rats: Implications for addiction. 2018. *Medicine & Science in Sports & Exercise*, 50(8):1596-1602.
- ***Featured research/interview in “Running (or Walking Briskly) Away from Addiction”. U.S. News & World Report. June 20, 2018. <https://health.usnews.com/wellness/mind/articles/2018-06-20/running-or-walking-briskly-away-from-addiction>
13. **Robison, L.S.**, Popescu, D.L., Anderson, M.E., Beigelman, S.I., Fitzgerald, S.M., Kuzmina, A.E., Lituma, D.A., Subzwari, S., Michaelos, M., Anderson, B.J. and Van Nostrand, W.E. 2018. The effects of volume versus intensity of long-term voluntary exercise on physiology and behavior in C57/Bl6 mice. *Physiology & Behavior*, 194 (2018): 218-232.
12. Carias, E., Hamilton, J., **Robison, L.S.**, Delis, F., Eiden, R., Quattrin, T., Hadjiargyrou, M., Komatsu, D., Thanos, P.K. 2018. Chronic oral methylphenidate treatment increases microglial activation in rats. *Journal of Neural Transmission*, 125 (12), 1867-1875.
11. Uddin, S.M.Z., **Robison, L.S.**, Fricke, D., Chernoff, E., Hadjiargyrou, M., Thanos, P.K., Komatsu, D.E. 2018. Methylphenidate regulation of osteoclasts in a dose- and sex- dependent manner adversely affects skeletal integrity. *Scientific Reports*, 8 (1): 1515.
10. **Robison, L.S.**, Michaelos, M., Gandhi, J., Miao, E., Lam, C.-Y., Mauceri, A., Vitale, M., Lee, J., Paeng, S., Komatsu, D.E., Hadjiargyrou, M., Thanos, P.K. 2017. Sex differences in developmental and behavioral effects of chronic oral methylphenidate in rats. *Frontiers in Behavioral Neuroscience*, 11: 53.
9. **Robison, L.**, Ananth, M., Komatsu, D.E., Hadjiargyrou, M., Thanos, P. K. 2017. Chronic oral methylphenidate treatment reversibly increases striatal dopamine transporter and dopamine type 1 receptor binding in rats. *Journal of Neural Transmission*: 124 (5), 655-667.
8. Thanos, P.K., Zhuo, J., **Robison, L.**, Kim, R., Ananth, M., Choai, I., Grunseich, A., Grissom, N.M., George, R., Delis, F., Reyes, T.M. 2016. Suboptimal maternal diets alter mu opioid receptor and dopamine type 1 receptor binding but exert no effect on dopamine transporters in the offspring brain. *International Journal of Developmental Neuroscience*, 64: 21-28.
7. Thanos, P.K., **Robison, L.S.**, Steier, J., Hwang, Y.F., Cooper, T., Swanson, J.M., Hadjiargyrou, M., Komatsu, D., Volkow, N.D. 2015. A pharmacokinetic model of oral methylphenidate treatment in the rat and effects on behavior. *Pharmacology, Biochemistry and Behavior*, 131: 143-153.

6. Thanos, P.K., **Robison, L.S.**, Nestler, E., Kim, R., Michaelides, M., Lobo, M.K., Volkow, N.D. 2013. Mapping brain metabolic connectivity in awake rats with microPET and optogenetic stimulation. *Journal of Neuroscience*, 33(15): 6343-9.
5. Michaelides, M., Miller, M. L., Subrizi, M., Kim, R., **Robison, L.**, Hurd, Y. L., Wang, G.-J., Volkow, N.D., Thanos, P. K. 2013. Limbic activation to novel versus familiar food cues predicts food preference and alcohol intake. *Brain Research*, 1512: 37-44.
4. Thanos P.K., **Robison L.S.**, Robinson J.K., Michaelides M., Wang G.J., Volkow N.D. 2013. Obese rats with deficient leptin signaling exhibit heightened sensitivity to olfactory food cues. *Synapse*, 67(4):171-8.
3. Thanos P.K., Stamos J., **Robison L.S.**, Heyman G., Tucci A., Wang G.J., Robinson J.K., Anderson B.J., Volkow N.D. 2013. Daily treadmill exercise attenuates cocaine cue-induced reinstatement and cocaine induced locomotor response but increases cocaine-primed reinstatement. *Behavioural Brain Research*, 239(0): 8-14.
2. Komatsu, D. E., Thanos, P. K., Mary, M. N., Janda, H. A., John, C. M., **Robison, L.**, Ananth, M.[#], Swanson, J. M., Volkow, N. D., Hadjiargyrou, M. 2012. Chronic exposure to methylphenidate impairs appendicular bone quality in young rats. *Bone*, 50(6): 1214-1222.
1. Thanos, P. K., Tucci, A., Stamos, J., **Robison, L.**, Wang, G. J., Anderson, B. J., Volkow, N. D. 2010. Chronic forced exercise during adolescence decreases cocaine conditioned place preference in Lewis rats. *Behavioral Brain Research*, 215(1): 77-82.

Invited talks and oral presentations:

1. “Revitalizing Brain Health: Lifestyle Factors and Drug Repurposing for Dementia”. Presented at the NSU Ambassador Board Meeting. Fort Lauderdale, FL, May 2024.
2. “Ketogenic Diet Improves Cognitive-Behavioral Function in a Mouse Model of Cerebral Amyloid Angiopathy”. Data Blitz - Presented at the 2024 Society for Sports Neuroscience. Fort Lauderdale, FL, February 2024.
3. “Healthy body, healthy brain”. Columbia University Summer Program in Psychology; July 2023.
4. “Sex differences in the physiological and cognitive-behavioral effects of high fat and ketogenic diets in mice.” NSU InterLACE; April 2023.
5. “Getting a teaching-focused job”. Capital Region Postdoc Association; June 2023.
6. “Sex differences in dietary and metabolic contributions to dementia”. Dementia Journal Club (Zoom); February 2023.
7. “Lifestyle factors conferring risk and resilience to dementia”. Institute of Neuroimmune Medicine Research Seminar Series, Nova Southeastern University; September 2022.
8. “Lifestyle factors conferring risk and resilience to dementia”. Graduate Seminar for Dept of Pharmacy, Nova Southeastern University; January 2021.
9. “From Mice to (Wo)men: How Exercise Influences Biomarkers of Health Across Species”. Society for Neurosports”, Hollywood, FL; January 2021.

10. Data Blitz: “Sex differences in metabolic contributions to dementia”. Society for Neurosports”, Hollywood, FL; January 2021.
11. “Lifestyle factors conferring risk and resilience to dementia”. Nova Southeastern University; November 2021.
12. “Sex differences in vascular and metabolic contributions to dementia”. Neuromedicine Summer Seminar, Department of Neuroscience, University of Florida; July 2021.
13. “Lifestyle factors conferring risk and resilience to neuropsychiatric and neurodegenerative diseases”. Presented at Nova Southeastern University (Fort Lauderdale, FL), Department of Psychology; June 2021.
14. “Sex differences in vascular and metabolic contributions to dementia”. Department of Psychology, Georgia Southern University; April 2021 [online due to COVID-19].
15. “Sex differences in vascular and metabolic contributions to dementia”. Biomedical Sciences Department (COM) Seminar Series. University of New England; April 2021 [online due to COVID-19].
16. “Role of sex and diet in systemic and hypothalamic metabolism and inflammation in 3xTg-AD mice”. Alzheimer’s Afternoons; June 2020 [online due to COVID-19].
17. “Role of sex and diet in hypothalamic gene expression in wild-type mice and the 3xTg-AD mouse model of familial Alzheimer’s disease”. 2020 Organization for the Study of Sex Differences (OSSD) annual conference (Marina Del Ray, CA) [Canceled due to COVID-19]
18. “Lifestyle factors conferring risk and resilience to neuropsychiatric and neurodegenerative diseases”. Presented at Hamilton College, SUNY (Clinton, NY), Department of Psychology, February 2020.
19. “Lifestyle factors conferring risk and resilience to neuropsychiatric and neurodegenerative diseases”. Presented at Purchase College, SUNY (Purchase, NY), Department of Psychology, January 2020.
20. “Lifestyle factors conferring risk and resilience to neuropsychiatric and neurodegenerative diseases”. Presented at Rollins College (Winter Park, FL), Department of Psychology, November 2019.
21. “Sex differences in hippocampal neurogenesis in a mouse model of diet-induced obesity”. Presented at 2019 Alzheimer’s Association International Conference PIA Day: Nutrition, Metabolism & Dementia. Los Angeles, CA.
22. “Sex-dependent effects of prediabetes in mouse models of Alzheimer’s disease and mixed dementia”. Presented at 2019 Organization for the Study of Sex Differences Conference. Washington, D.C.
23. “Sex differences in the effects of prediabetes in mouse models of dementia”. Presented at Neurosciences Grand Rounds at Albany Medical College (Albany, NY), 2018.
24. “The influence of lifestyle factors on physiology, behavior, and pathology in mouse models of healthy aging and Alzheimer’s disease”. Presented at Albany Medical College (Albany, NY), Department of Neuroscience and Experimental Therapeutics, 2017.
25. “Stress”. Presented at Columbia University (New York, NY), Department of Psychology, 2017.
26. “Stress”. Presented at Immaculata University (Immaculata, PA), Department of Psychology, 2017.

27. “What goes wrong in addiction?”. Presented at Juniata College (Huntingdon, PA), Department of Psychology, 2017.
28. “The influence of lifestyle factors in aging and Alzheimer’s disease”. Presented at Wilkes University (Wilkes-Barre, PA), Department of Psychology, 2017.
29. “The influence of lifestyle factors in mouse models of healthy aging and Alzheimer’s disease”. Presented at New Jersey City University (Jersey City, NJ), Department of Psychology, 2017.
30. “The influence of cognitive, social, and environmental enrichment on physiology, behavior, and pathology in mouse models of healthy aging and cerebral amyloid angiopathy”. Program No. 640.07. 2017 Neuroscience Meeting Planner. Washington, D.C.: Society for Neuroscience, 2017. Online.

Published and accepted conference abstracts (includes student poster presentations):

1. Tran, T. Cardiac, Noto, N., Hernandez, A., Pulido-Correa, V., Vogel, C., Lawrence, Z., James, S., Uribe, I., Speth, R.C., **Robison, L.S.**, Gurusamy, N. Cardiac Adaptations and Mitochondrial Protection Through Long Noncoding RNAs Regulation in Mice on a Ketogenic Diet. Presented at the 2024 American Heart Association Basic Cardiovascular Sciences Conference, Chicago IL, July 2024.
2. Pulido-Correa, V., Vogel, C., Rosenberg, L., Echeverria, B., Uribe, I., Hernandez, A., **Robison, L.S.** Effects of ketogenic diet on metabolic and cognitive-behavioral outcomes in a mouse model of cerebral amyloid angiopathy. Presented at the 2024 Alzheimer’s Association International Conference, July 2024.
3. Wind, E., Uribe, I., Hernandez, A., Speth, R.C., **Robison, L.S.** Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal. Presented at the 2024 Neuroscience Next Conference, Online, April 2024.
4. Pulido-Correa, V., Vogel, C., Rosenberg, L., Echeverria, B., Uribe, I., Hernandez, A., **Robison, L.S.** Effects of ketogenic diet on metabolic and cognitive-behavioral outcomes in a mouse model of cerebral amyloid angiopathy. Presented at the 2024 Neuroscience Next Conference, Online, April 2024.
5. Hernandez, A., Vogel, C., Uribe, I., Bonetti, J., Noto, N., Wind, E., Pulido-Correa, V., Jeneske, M., Echeverria, B., Speth, R.C., **Robison, L.S.** Repurposing renin-angiotensin system-targeting medications for later stage treatment of cerebral amyloid angiopathy and associated cognitive-behavioral deficits in Tg-SwDI mice. Presented at the 2024 Neuroscience Next Conference, Online, April 2024.
6. Wind, E., Uribe, I., Hernandez, A., Speth, R.C., **Robison, L.S.** Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal. Presented at the 2024 Life Sciences of South Florida Undergraduate Research Symposium; North Miami, FL, April 2024.
7. Pulido-Correa, V., Vogel, C., Rosenberg, L., Echeverria, B., Uribe, I., Hernandez, A., **Robison, L.S.** Ketogenic diet improves cognitive-behavioral function and glucose homeostasis in a mouse model of cerebral amyloid angiopathy. Presented at the 2024 Life Sciences of South Florida Undergraduate Research Symposium; North Miami, FL, April 2024.
8. Hernandez, A., Vogel, C., Uribe, I., Bonetti, J., Noto, N., Wind, E., Pulido-Correa, V., Jeneske, M., Echeverria, B., Speth, R.C., **Robison, L.S.** Repurposing renin-angiotensin system-targeting medications for later stage treatment of cerebral amyloid angiopathy and associated cognitive-behavioral deficits in

Tg-SwDI mice. Presented at the 2024 Life Sciences of South Florida Undergraduate Research Symposium; North Miami, FL, April 2024.

9. Bonetti, J., Hernandez, A., Uribe, I., Pulido-Correa, V., Vogel, C., Noto, N., Paleati, N., Speth, R.C., **Robison, L.S.** Evaluating Telmisartan's Impact on Metabolic Health and Cognitive Function in Mice Subjected to a High-Fat Diet. Presented at the 2024 Life Sciences of South Florida Undergraduate Research Symposium; North Miami, FL, April 2024.

*****Won 2nd place in the poster competition**

10. Paleati, N., James, S., Lawrence, Z., Rojas, M., Noto, N., Restrepo, Y., Uribe, I., Hernandez, A., Wind, E., Pulido-Correa, V., Cohen, V., Speth, R.C., **Robison, L.S.** Sex differences in the effects of a high-fat or ketogenic diet on hypothalamic inflammation Presented at the 2024 Life Sciences of South Florida Undergraduate Research Symposium; North Miami, FL, April 2024.
11. Tran, T. Cardiac, Noto, N., Hernandez, A., Pulido-Correa, V., Vogel, C., Lawrence, Z., James, S., Uribe, I., Speth, R.C., **Robison, L.S.**, Gurusamy, N. Cardiac Adaptations and Mitochondrial Protection Through Long Noncoding RNAs Regulation in Mice on a Ketogenic Diet. Presented at the 2024 Nova Southeastern University InterLACE Conference; Online, April 2024.
12. Wind, E., Uribe, I., Hernandez, A., Speth, R.C., **Robison, L.S.** Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal. Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.
13. Pulido-Correa, V., Vogel, C., Rosenberg, L., Echeverria, B., Uribe, I., Hernandez, A., **Robison, L.S.** Ketogenic Diet Improves Cognitive-Behavioral Function in a Mouse Model of Cerebral Amyloid Angiopathy. Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.
14. Hernandez, A., Vogel, C., Uribe, I., Bonetti, J., Noto, N., Wind, E., Pulido-Correa, V., Jeneske, M., Echeverria, B., Speth, R.C., **Robison, L.S.** Repurposing renin-angiotensin system-targeting medications for later stage treatment of cerebral amyloid angiopathy and associated cognitive-behavioral deficits in Tg-SwDI mice. Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.
15. Bonetti, J., Hernandez, A., Uribe, I., Pulido-Correa, V., Vogel, C., Noto, N., Paleati, N., Speth, R.C., **Robison, L.S.** Evaluating Telmisartan's Impact on Metabolic Health and Cognitive Function in Mice Subjected to a High-Fat Diet. Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.
16. Vogel, C., Gorthy, A., **Robison, L.S.**, Holschbach, M. Reproductive Experience Protects Against Cognitive Decline in a Mouse Model of Dementia. To be Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.

*****Won the American Association of University Women Award**

17. Dundigalla, N., Pulido-Correa, V., Vogel, C., Noto, N., Cohen, V., Uribe, I., Hernandez, A., Wind, E., James, S., Speth, R.C., **Robison, L.S.** Exploring the Therapeutic Potential of Telmisartan Against High Fat Diet – Induced Nonalcoholic Fatty Liver Disease: A Dose- and Sex- Dependent Study in Mice. To be Presented at the 2024 Nova Southeastern University Undergraduate Student Symposium; Fort Lauderdale, FL, April 2024.

18. Wind, E., Uribe, I., Hernandez, A., Speth, R.C., **Robison, L.S.** - Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal. Presented at the 2024 Society for Sports Neuroscience; Fort Lauderdale, FL, February 2024.

*****Won 1st place in the poster competition**

19. Pulido-Correa, V., Vogel, C., Rosenberg, L., Echeverria, B., Uribe, I., Hernandez, A., Robison, L.S. Ketogenic Diet Improves Cognitive-Behavioral Function in a Mouse Model of Cerebral Amyloid Angiopathy. Presented at the 2024 Society for Sports Neuroscience; Fort Lauderdale, FL, February 2024.
20. Noto, N., Restrepo, Y., Hernandez, A., Vogel, C., Pulido-Correa, V., Moen, S., Bonetti, J., Speth, R.C., **Robison, L.S.** Repurposing renin-angiotensin system-targeting medications for the prevention of cerebral amyloid angiopathy and associated cognitive-behavioral deficits in Tg-SwDI mice. Presented at the 2023 Southeastern Neurodegenerative Diseases Conference; October, 2023; Atlanta, Georgia.
21. Tran, T., Noto, N., Restrepo, Y., Hernandez, A., Pulido-Correa, V., Vogel, C., Lawrence, Z., James, S., Uribe, I., Speth, R.C., **Robison, L.S.**, Gurusamy, N. Role of Long Noncoding RNA Caren in Regulating Cardiac Cell Survival: Insights from a Ketogenic Diet Study. Presented at the 2023 International Academy of Cardiovascular Sciences meeting; September, 2023; Tampa, Florida.
22. Lawrence, Z., James, S., Noto, N., Restrepo, Y., Uribe, I., Hernandez, A., Wind, E., Tamiya, B., Pulido-Correa, V., Speth, R., **Robison, L.S.** Sex differences in the physiological and cognitive-behavioral effects of high fat and ketogenic diets in mice. Presented at the 2023 American Physiology Summit; April 2023; Long Beach, CA.
23. Gurusamy, N., Noto, N., Restrepo, Y., Hernandez, A., Pulido-Correa, V., Vogel, C., Lawrence, Z., James, S., Uribe, I., Speth, R.C., **Robison, L.S.** The role of long-noncoding RNA Caren in regulating cardiac cell survival in response to ketogenic diet. Presented at the 2023 NSU INTERLACE Meeting.
24. Komandooru, D., Papaiya, D., Motiani, A., James, S., Lawrence, Z., **Robison, L.S.** Sex-Specific Differences Resulting from High Fat Diet Observed in Microglial Responses Across Varying Brain Regions. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
25. Paleati, N., Kozar, N., Noto, N., Restrepo, Y., Tamiya, B., Dundigalla, N., Bodicherla, R., Muppoor, A., Speth, R., Albensi, B.C., Kochen, W.R., **Robison, L.S.** Repeated mild traumatic brain injuries and increased dementia risk: A pilot study investigating cerebral amyloid angiopathy as a mechanistic link. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
26. James, S., Lawrence, Z., Noto, N., Restrepo, Y., Uribe, I., Hernandez, A., Wind, E., Tamiya, B., Pulido-Correa, V., Pandaya, M., Speth, R., **Robison, L.S.** Sex-Specific Effects of High-Fat and Ketogenic Diets on Cognition and Hippocampal Neurogenesis in C57BL/6J Mice. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
27. Vogel, C., Gorthy, A., dos Santos, I., **Robison, L.S.**, Holschbach, M. Understanding the Link between Parity and Dementia. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
28. Wind, E., Hernandez, A., Uribe, I., **Robison, L.S.** Exercise as a Natural Kappa Opioid Receptor Antagonist to Treat Binge Drinking Withdrawal. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.

29. Mukund, S., Prasanna, P., Muppoor, A., Khan, M., **Robison, L.S.** Effect of Methylphenidate on Alzheimer's and Dementia. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
30. Dundigalla N., James, S., Uribe, I., Lawrence, Z., Hernandez, A., Tamiya, B., Wind, E., **Robison, L.S.** Effects on High Fat and Ketogenic Diet on Non-Alcoholic Fatty Liver Disease Pathology in Male and Female Mice. Presented at the 2023 Nova Southeastern University Undergraduate Student Symposium; April, 2023; Davie, FL.
31. Motiani, A., Komandooru, D., Papaiya, D., James, S., Lawrence, Z., Tisselin, K., Cohen, V., Majumder, A., Lin, W.-T., Albert, N.A., Salinero, A.E., Zuloaga, K.L., **Robison, L.S.** Microglial responses to high fat diet vary in a sex-specific manner across diverse brain regions. Presented at the 2023 Society for Neurosports Conference; February, 2023; Deerfield Beach, FL.
32. **Robison, L.S.**, Paleati, N., Kozar, N., Noto, N., Restrepo, Y., Tamiya, B., Dundigalla, N., Bodicherla, R., Muppoor, A., Speth, R., Albensi, B.C., Kochen, W.R. Repeated mild traumatic brain injuries and increased dementia risk: A pilot study investigating cerebral amyloid angiopathy as a mechanistic link. Presented at the 2023 Society for Neurosports Conference; February, 2023; Deerfield Beach, FL.
33. Lawrence, Z., James, S., Noto, N., Restrepo, Y., Uribe, I., Hernandez, A., Wind, E., Tamiya, B., Pulido-Correa, V., Pandaya, M., Speth, R., **Robison, L.S.** Sex differences in the physiological and cognitive-behavioral effects of high fat and ketogenic diets in mice. Presented at the 2023 Society for Neurosports Conference; February, 2023; Deerfield Beach, FL.

*****Won 1st place in poster competition**

34. **Robison, L.S.**, Majumder, A., Lin, W.-T., Motiani, A., Komandooru, D., Papaiya, D., James, S., Lawrence, Z., Tisselin, K., Albert, N.M., Salinero, A.E., Zuloaga, K.L. Microglial responses to high fat diet vary by brain region and sex. Presented at the 2022 Organization for the Study of Sex Differences Conference; May, 2022; Marina del Ray, CA.
35. **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Abi-Ghanem, C., Riccio, D.A., Kelly, R.D., Zuloaga, K.L. Sex differences in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease across the lifespan. Presented at 2021 Society for Neuroscience Conference; November, 2021.
36. Gannon, O.J., **Robison, L.S.**, Abi-Ghanem, C., Mansour, F., Salinero, A.E., Brawley, R., Tyagi, A., Riccio, D., Kelly, R.D., Zuloaga, K.L. Females have it worse: In mouse models of Alzheimer's disease and mixed dementia females are more severely affected by a high fat diet than males. Presented at 2021 Society for Neuroscience Conference; November, 2021.
37. **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Abi-Ghanem, C., Riccio, D.A., Kelly, R.D., Zuloaga, K.L. Sex differences in hypothalamic inflammation and metabolic disturbances in the 3xTg-AD mouse model of Alzheimer's disease across the lifespan. Presented at 2021 APOE & Immunity Conference; October, 2021.
38. **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Abi-Ghanem, C., Riccio, D.A., Kelly, R.D., Zuloaga, K.L. Sex differences in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease across the lifespan. Submitted to be presented at the 2021 Southeastern Neurodegenerative Disease Conference (SENDCON2021); September, 2021. [Canceled due to COVID-19].
39. **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Riccio, D.A., Kelly, R.D., Zuloaga, K.L. Sex differences in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease across the lifespan. Presented at the 2021 Organization for the Study of Sex Differences Conference; May, 2021 [online].

40. *Gannon, O., ***Robison, L.S.**, Salinero, A.E., Mansour, F., Riccio, D., Thomas, M., Zuloaga, K.L. Sex differences in the impact of prediabetes on multi-etiology dementia. Presented at the 2020 Society for Neuroscience Conference; January, 2021 [online].

*equal contributions
41. **Robison, L.S.**, Gannon, O., Thomas, M., Salinero, A.E., Abi-Ghanem, A.E., Poitelon, Y., Belin, S., Zuloaga, K.L. Role of sex and high-fat diet in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease. Presented at the Alzheimer's Association International Conference Neuroscience Next; November, 2020 [online].
42. **Robison, L.S.**, Gannon, O., Thomas, M., Salinero, A.E., Abi-Ghanem, A.E., Poitelon, Y., Belin, S., Zuloaga, K.L. Role of sex and high-fat diet in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease. Presented at the Alzheimer's Association International Conference; July, 2020 [online].
43. **Robison, L.S.**, Albert, N.M., Camargo, L., Gannon, O.J. Salinero, A.E., Thomas, M.A., Zuloaga, K.L. Sex differences in the effects of high fat diet on hippocampal neurogenesis in mouse models of healthy aging and dementia. Presented at the 2019 Society for Neuroscience Conference; October, 2019. Chicago, Illinois.
44. Salinero, A.E., **Robison, L.S.**, Gannon, O.J., Riccio, D., Galloway, A., Zuloaga, K.L. Sex differences in the effects of high fat diet on VCID. Presented at the 2019 Society for Neuroscience Conference; October, 2019. Chicago, Illinois.
45. **Robison, L.S.**, Albert, N., Camargo, L., Anderson, B.M., Salinero, A.E., Riccio, D.A., Abi-Ghanem, C., Gannon, O.J., Zuloaga, K.L. Sex differences in hippocampal neurogenesis in a mouse model of diet-induced obesity. Presented at the 2019 New York Academy of Science's "Alzheimer's Disease Therapeutics: Alternatives to Amyloid" Conference; November, 2019. New York, NY.
46. Francis, N., **Robison, L.S.**, Sullivan, J., Robinson, J.K., Van Nostrand, W.E. Long-term aerobic exercise attenuates brain inflammatory expression in C57BL/6 mice. Presented at the 2019 New York Academy of Science's "Alzheimer's Disease Therapeutics: Alternatives to Amyloid" Conference; November, 2019. New York, NY.
47. **Robison, L.S.**, Albert, N.M., Camargo, L., Salinero, A.E., Zuloaga, K.L. Sex differences in hippocampal neurogenesis in a mouse model of diet-induced obesity. Presented at the 2019 Alzheimer's Association International Conference. Los Angeles, CA.
48. **Robison, L.S.**, Gannon, O., Salinero, A.E., Thomas, M., Tyson, A., Zuloaga, K.L. Sex-dependent effects of prediabetes in mouse models of Alzheimer's disease and mixed dementia. Program No. 747.08. 2018 Neuroscience Meeting Planner. San Diego, California: Society for Neuroscience, 2018. Online.
49. **Robison, L.S.**, Gannon, O., Salinero, A.E., Zuloaga, K.L. Sex differences in the metabolic and physiological effects of a high fat diet in the 3xTg-AD mouse model of Alzheimer's disease. Presented at the 2018 American Physiological Society Cardiovascular, Renal, and Metabolic Diseases: Sex-specific Implications for Physiology Conference. Knoxville, Tennessee.
50. Gannon, O., **Robison, L.S.**, Salinero, A.E., Thomas, M., Tyson, A., Zuloaga, K.L. Sex-dependent effects of prediabetes in mouse models of Alzheimer's disease and mixed dementia. Presented at the 2018 American Physiological Society Cardiovascular, Renal, and Metabolic Diseases: Sex-specific Implications for Physiology Conference. Knoxville, Tennessee.

51. Salinero, A.E., **Robison, L.S.**, Gannon, O.J., Riccio, D., Tyson, A., Zuloaga, K.L. Sex differences in the effects of prediabetes on vascular contributions to dementia. Presented at the 2018 American Physiological Society Cardiovascular, Renal, and Metabolic Diseases: Sex-specific Implications for Physiology Conference. Knoxville, Tennessee.
52. Chitjian, R., Capellino, A., **Robison, L.S.**, Gannon, O.J., Salinero, A.E., Zuloaga, K.L., Komatsu, D.E. Effects of Alzheimer's Disease and high-fat diet on bone quality and quantity in mice. Presented at the American Society for Bone and Mineral Research conference, 2018.
53. Salinero, A.E., **Robison, L.S.**, Anderson, B.M., Riccio, D., Zuloaga, K.L. Metabolic and cognitive effects of high fat diet in male and female mice. Presented at the 2018 Alzheimer's Association International Conference. Chicago, Illinois.
54. Gannon, O., **Robison, L.S.**, Salinero, A.E., Thomas, M., Tyson, A., Zuloaga, K.L. Sex-dependent effects of prediabetes in mouse models of Alzheimer's disease and mixed dementia. Presented at the 2018 Alzheimer's Association International Conference. Chicago, Illinois.
55. Francis, N., Popescu, D.L., Michaelos, M., **Robison, L.S.**, Subzwari, W., Beigelman, S.I., Fitzgerald, S.M., Arena, J., Amrein, S.A., Kuzmina, A.E., Lituma, D.A., Hatfield, J., Kim, R., Sullivan, J.K., Xu, F., Davis, J., Anderson, B.J., Robinson, J.K., Van Nostrand, W.E. Effects of varying voluntary aerobic exercise levels on behavior and neuropathology in aged Tg2576 mice. Program No. 479.14. 2017 Neuroscience Meeting Planner. Washington, D.C.: Society for Neuroscience, 2017. Online.
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66. Ananth, M., **Robison, L.S.**, Yountob, N., Volkow, N.D., Thanos, P.K. Psychosocial stress increases brain glucose metabolism in limbic areas in rats. Program No. 381.11. 2013 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2013. Online.
67. Thanos, P.K., **Robison, L.S.**, Nestler, E.J., Kim, R., Michaelides, M., Lobo, M.-K., Volkow, N.D. 2012. Mapping brain metabolic connectivity in awake rats with microPET and optogenetic stimulation. *Neuropsychopharmacology*, 38(S1), S344.
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TEACHING

INSTRUCTOR OF RECORD

Department of Psychology and Neuroscience; Nova Southeastern University (Fort Lauderdale, FL)

- Fall 2024
 - Introduction to Neuroscience w/ Lab
 - Independent Study in Neuroscience
 - Masters Thesis in Experimental Psychology
- Winter 2024
 - Introduction to Neuroscience w/ Lab
 - Drugs and the Brain – *ONLINE*
 - Independent Study in Neuroscience
 - Honors Thesis
- Fall 2023
 - Introduction to Neuroscience w/ Lab
 - Independent Study in Neuroscience
 - Honors Thesis
- Winter 2023
 - Introduction to Neuroscience w/ Lab
 - Drugs and the Brain – *ONLINE*
 - Independent Study in Neuroscience
 - Honors Thesis
- Fall 2022
 - Introduction to Neuroscience w/ Lab
 - Independent Study in Neuroscience
 - Honors Thesis
- Winter 2022
 - Introduction to Neuroscience w/ Lab
 - Drugs and the Brain – *ONLINE*
 - Independent Study in Neuroscience
- Fall 2021
 - Introduction to Neuroscience w/ Lab
 - Methods in Behavioral Neuroscience Lab

Department of Psychology; Stetson University (DeLand, FL)

- Spring 2021
 - Introduction to Psychology – *ONLINE*
 - Health Psychology – *ONLINE*
 - Senior Projects – *HYBRID/HYFLEX*
- Fall 2020
 - Introduction to Psychology – *ONLINE*
 - Drugs, Mind, Behavior – *ONLINE*
 - Research Methods & Proposal – *HYBRID/HYFLEX*

Department of Psychology; University at Albany (SUNY) (Albany, NY)

- Spring 2019
 - Psychopharmacology

Department of Neuroscience and Experimental Therapeutics; Albany Medical College (Albany, NY)

- Spring 2018
 - Neuropharmacology & Behavioral Neuroscience (Graduate level)

Department of Psychology; SUNY College at Old Westbury (Old Westbury, NY)

- Spring 2015
 - Research Methods III
- Fall 2014
 - Psychology of Addictions

Department of Psychology; Stony Brook University (Stony Brook, NY)

- Fall 2016
 - Analysis of Variance and Experimental Design (Graduate level statistics)
- Spring 2014 & Fall 2015
 - Addicted Brain
- Fall 2013 & Summer 2014
 - Research and Writing in Psychology

GUEST LECTURER

Department of Neuroscience and Experimental Therapeutics; Albany Medical College (Albany, NY)

- Spring 2021
 - Topic: “Tools in neuroscience: behavior phenotyping”; Course: Disorders of the Nervous System (Graduate Level)
- Fall 2018 & 2019
 - Topic: “Schizophrenia”; Course: Neuroanatomy & Nervous System Disorders (Graduate level)

Columbia University (New York, New York)

- Summer 2019 & Summer 2020 (x2)
 - Topic: “Addiction”; Course: The Science of Psychology

Department of Psychology; University at Albany (Albany, NY)

- Spring 2018
 - Topic: “Methods of Psychopharmacology”; Course: Psychopharmacology

TEACHING ASSISTANTSHIP

Graduate Teaching Assistant, Department of Psychology; Stony Brook University (Stony Brook, NY)

- Spring 2017 - Health Psychology
- Spring 2016 - Survey in Social Psychology
- Spring 2015 - Autism and Intellectual Disability
- Fall 2014 - Survey in Biopsychology
- Spring 2013 - Drugs and the Brain
- Fall 2012 - Statistical Methods in Psychology

Undergraduate Teaching Assistant; Colgate University (Hamilton, NY)

- Spring 2006, Fall 2006, Spring 2007 (Statistics)
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SERVICE (2012 – Present)

PROFESSIONAL

- November 2023 **Grant Reviewer – Invited Early Career Reviewer for National Institutes of Health Study Section.** Served on the Neural Oxidative Metabolism, Mitochondria and Cell Death (NOMD) Study Section.
- June 2022 – Present **Editorial Board (Review Editor) of *Substance Use Disorders and Behavioral Addictions* (specialty section of *Frontiers Public Health*)**
- June 2022 – Present **Editorial Board (Review Editor) of *Neuropharmacology* (specialty section of *Frontiers in Neuroscience*, *Frontiers in Pharmacology*)**
- January 2022 – Present **Editorial Board (Review Editor) of *Neurodegeneration* (specialty section of *Frontiers in Neuroscience*, *Frontiers in Neurology* and *Frontiers in Psychiatry*)**
- October 2020 – Present **Editorial Board (Review Editor) of *Aging, Metabolism and Redox Biology* (specialty section of *Frontiers in Aging*)**
- 2023 **Reviewer, Sex and Gender Grants, Alzheimer’s Association**
- 2022 & 2023 **Member, Awards Committee; Organization for the Study of Sex Differences**
- May 2022 **Poster Judge, Organization for the Study of Sex Differences Conference**
- January 2021 – August 2021 **Southeastern Neurodegenerative Diseases Conference (SENDCON) Organizing Committee**
Assisting with the planning of SENDCON2021 to be held in Orlando, FL (and online) in September 2021. Organizer of trainee-focused events. Representative for Stetson University.
[Canceled due to COVID-19]
- May 2021 **Reviewer, TopHat Research Methods Textbook**
Reviewed two chapters of this textbook
- September 2019 **Participant; 1st Workshop on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia** (Bethesda, Maryland)
Two-day workshop to discuss and reach consensus on operational definitions and research guidelines for the many terms used to capture aspects of reserve and resilience in aging and dementia

Ad Hoc Reviewer: Molecular and Cellular Endocrinology; Scientific Reports; Biomedicine & Pharmacotherapy; Frontiers in Aging Neuroscience; Frontiers in Neuroscience; Frontiers in Neuroanatomy; Aging, Metabolism and Redox Biology (specialty section of Frontiers in Aging); Frontiers in Psychiatry; PLOS One; Journal of Visualized Experiments (JoVE); Molecular Nutrition & Food Research; Injury; Biomedicine & Pharmacotherapy; Substance Abuse: Research & Treatment; Brain Research; Molecular Neurobiology; Motivation Science

COMMUNITY/OUTREACH

- 2024 Judge – Life Sciences South Florida Conference (LSSF)
- 2023 Judge – Miami Dade College Research Day

April 2023	Invited Speaker, American Heritage High School Psychology Club
2021-Present	Chair of Nova Southeastern University Annual Brain Bee & Poster Competition (Davie, FL) *Awarded 2022 Brain Awareness Week Grant (\$1500) from Dana Foundation (Co-PI)
November 2021	Captain for the “NSU Psychology and Neuroscience (and friends!)” team for the Broward County Walk to End Alzheimer’s Disease. Our team had 26 members and raised \$400 for the cause.
2021	Stetson University Brain Bee Co-Chair & Judge (DeLand, FL) *Awarded Nina B. Hollis Institute for Education Reform Mini Grant (\$1500) from Stetson University (Co-PI)
2017 – 2020	Albany Brain Bee Steering Committee Member & Judge (competition years 2018, 2019, 2020)
2018 – 2020	Grateful Patients Lab Tours; Albany, NY
September 2018	Walk to End Alzheimer’s Disease Science Outreach Volunteer; Albany, NY
Spring 2018	Brain Awareness Week (2018); Albany NY
2013-2016	Long Island Science and Engineering Fair (LISEF); Plainview, NY
2013	Long Island Junior Science and Humanities Symposium
2012	Brookhaven National Laboratory's 2012 Elementary School Science Fair; Upton, NY

UNIVERSITY

Nova Southeastern University (Davie, FL)

July 2024-Present	Member, Faculty Research Advisory Committee (FRAC)
Sep 2023-Present	Voting Member, NSU Financial Conflict of Interest Committee (FCOI)
Aug 2022-Present	Voting Member, NSU Institutional Animal Care and Use Committee (IACUC)
Summer 2022-2024	Faculty Member, High School Summer Neuroscience Boot Camp (NSU)
2023, 2024	Member, Neuroscience Faculty Search Committee (NSU)
2023, 2024	Grant Reviewer, President’s Faculty Research Development Grant (NSU)
2023	Abstract Reviewer, INTERLACE (NSU)
2023	Faculty Marshal at Commencement (NSU)
2023	Panel Member, Academic Dishonesty Appeals Committee (NSU)
2021-Present	Nova Southeastern University Brain Bee Chair (Fort Lauderdale, FL)
2022, 2023	Shark Preview Weekend Interviewer

2022	Judge for 2022 Undergraduate Student Symposium (NSU)
October 2021-23	Hosted “ExEL Early Immersion” event for the Neuroscience major <u>Stetson University</u> (DeLand, FL)
April 2021	Judge for Stetson Showcase (Undergraduate Research Presentations)
Fall 2020 – Present	Psychology Department Subcommittee on Diversity & Inclusion
Fall 2020	Safe Zone Ally (LGBTQIA)
Fall 2020	Psychology Department Admissions Recruitment

Albany Medical College (Albany, NY)

June 2021	Seminar for Postdoc Development Program: “Teaching-focused Academic Careers”
Summer 2020	DNET Summer Student Mentor
Summer 2020	Co-founder; DNET “Diversity, Equity, and Inclusion” Seminar Series
July 2020	Speaker & Discussion Leader: “Racial disparities in STEM”
June 2020	Speaker & Discussion Leader: “Racial Equity in STEM”
Spring/Summer 2020	Organizer; “Technique of the Week” Seminar Series
May 2020	Workshop Leader: “Rodent Behavior Testing with ANYmaze software
October 2019	Invited talk at 2019 DNET Retreat: “How to find a postdoc”
2018 – Present	Faculty Search Committee for the Department of Neuroscience and Experimental Therapeutics, Postdoctoral Representative (2018 & 2019)
2018 & 2019	Judge for Medical Student Investigation and Graduate Student Poster Day
2018	Workshop Leader: “Rodent Behavior Testing with ANYmaze software”

Stony Brook University (Stony Brook, NY)

2016 – 2017	Disability Support Services
2013 – 2017	Psychology Peer Mentoring Initiative
Spring 2016	Evaluator for Undergraduate Awards in Psychology (Perry and Stangarone Awards)
July 2015	Graduate Teaching Assistant Panel Member
Fall 2014	Psychology Graduate School Boot Camp

March 2014	Neo-search Panel Member (Graduate Student Panel)
September 2014	Psi Chi Graduate Student Panel
Fall 2013	Psychology Department Graduate Student Orientation Leader

CLINICAL EXPERIENCE

August 2012 – September 2015	Mental Health Counselor (Part-Time; 56-80 hours/month) Options for Community Living (Medford, NY)
August 2012 – September 2013	Direct Service Professional (Per-Diem; 4-20 hours/months) Young Adult Institute (YAI) (Ronkonkoma, NY)

PROFESSIONAL ORGANIZATIONS

2022-Present	American Heart Association
2007 – Present	Society for Neuroscience (SfN)
2018 – Present	Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)
2021 – Present	Society for Sports Neuroscience
2016, 2021	Faculty for Undergraduate Neuroscience (FUN)
2016 – 2020	The New York Academy of Sciences (NYAS)
2018 – 2019	American Physiological Society (APS)
2019 – 2020	American Heart Association (AHA)
2019 – 2020	American Association for the Advancement of Science (AAAS)
2019 – Present	Organization for the Study of Sex Differences (OSSD)