# CURRICULUM VITAE
# Rodney P. Guttmann, Ph.D.

## PRESENT POSITIONS

Professor, Department of Biology

University of West Florida

Hal Marcus College of Science and Engineering

## ADDRESS

### Office

Rodney Guttmann, Ph.D.

11000 University Pkwy

Pensacola, Florida 32514

rpg@uwf.edu

## EDUCATION

| | |
|---|---|
| Ph.D. | Department of Pharmacology, The University of Alabama at Birmingham, Birmingham, AL, USA, Thesis: The *in situ* proteolysis of tau by calpain. Advisory Committee: G.V. Johnson, R.S. Jope, P.D. Bell, A.B. Theibert, G.B. Brown, 1998. |
| Postdoctoral Fellow | Department of Pharmacology, University of Pennsylvania, Philadelphia, Pennsylvania. 1998-2001. |
| B.S. | Florida State University, Tallahassee, FL, 1991. (Major: Chemistry) |

## ACADEMIC AWARDS

2026 UWF, Wright Family Research Institute Research Revolution Challenge, Best Interdisciplinary Team Award (ARGO-CAT team)

2024 UWF, Research Hall of Fame

2024 UWF, Award for Distinction in Faculty Research Activity

2021 UWF, OUR Faculty Excellence in Undergraduate Research Mentoring Award (Director's Choice)

2019 UWF SGA Distinguished Teacher Award

2014 Faculty Scholars Award, University of West Florida, College of Science, Engineering, and Health

2010 Holsinger Teaching Award, University of Kentucky, College of Medicine

2008 Flexner Master Educator Award, University of Kentucky

2008 Wethington Award, University of Kentucky

2006 Wethington Award, University of Kentucky

1999 NIH Postdoctoral Fellowship, University of Pennsylvania

1999 Alavi-Dabiri Postdoctoral Award, University of Pennsylvania, Alavi-Dabiri Research Council

1997 Graduate Student Research Award, University of Alabama at Birmingham, UAB Graduate School

## Administrative and Executive Leadership

Academic and nonprofit leader with experience as a department chair, a university center director, and a nonprofit board chair and chief executive. Guided the board of Covenant Care through the 2024 sale of its hospice operations, served as volunteer interim chief executive of the successor charity through November 2026, and developed board recommendations on deploying approximately $90 million in sale proceeds to regional health organizations. At UWF, led the Department of Biology and the Department of Public Health, Clinical and Health Sciences as interim chair, directed the Center on Aging, and built the university's first clinical trials program. Chaired faculty search and promotion and tenure review committees, and has served as University Faculty Ombudsman since 2022. Maintains an NIH funded research program, directs an NIH funded high school research program, and has mentored more than 100 undergraduate researchers.

*Interim President and Chief Executive Officer*, Covenant Health and Community Services, Pensacola, Florida. April 2024 to November 2026. Volunteer executive leadership of the successor public charity after the sale of its hospice operations, including the divestiture of the organization's home health operations. Responsibilities included executive administration, strategic planning, expenditure authorization, fundraising and government relations, and development of board recommendations on deploying approximately $90 million in combined sale proceeds to regional nonprofits and to Covenant's own programs, including Nonie's Place and My Wish. Returned to the board of directors in April 2025 while continuing to serve as interim chief executive until the role concluded in November 2026.

*Board Chair*, Covenant Health and Community Services, Pensacola, Florida. March 2021 to April 2024. Led the board of a Northwest Florida nonprofit healthcare organization with hospice operations across Florida and Alabama through the sale of those operations and an assisted living facility to VITAS Healthcare for $85 million in 2024. Stepped down from the chairmanship to serve as interim chief executive during the post sale transition.

*Interim Chair*, Department of Biology, University of West Florida, Pensacola, Florida. August 2024 to July 2026. Led a department of about 20 faculty and about 1,000 enrolled majors each fall, including about 40 master's students, offering B.S. degrees in Biology, Biomedical Sciences, and Marine Biology and the M.S. in Biology. Hired five faculty, including the department's current chair, led faculty hiring prioritization and searches, negotiated startup packages, and produced the department's instructional productivity and cost analyses. Biology faculty submitted 12 external proposals as principal investigator during the chairship, up from 3 in the prior two years, and won 5 awards, up from 2. External funding to Biology faculty rose from $163,000 in new awards as principal investigator in the two years before the chairship to $596,000 during it, or $1.13 million including the chair's own awards. Concluded with a planned handoff to the incoming chair. Is building the Biology Research Catalyst Fund, a proposed endowment for seed research grants to faculty and undergraduates.

*Contact Principal Investigator and Program Lead*, NeuroNauts Scholars Program, University of West Florida. 2026 to present. Co-founded the program and serves as contact principal investigator on its five year, $555,237 NINDS R25 award. Launched the program in summer 2026 and ran the first cohort of eight high school scholars from Escambia and Santa Rosa Counties through an eight week, full time research experience, including selection, compliance for minors, faculty mentor coordination, and symposium planning.

*Interim Chair*, Department of Public Health, Clinical and Health Sciences, University of West Florida, Pensacola, Florida. 2014 to 2016. Chaired a department of more than a dozen faculty and about 750 enrolled majors, including about 175 graduate students, comprising public health, clinical laboratory sciences, and health sciences. Hired three faculty, two of them tenure track, and a program staff member,

and led promotion and tenure review and personnel management. Led the Master of Public Health program through reaccreditation by the Council on Education for Public Health in 2014, which extended the program's accreditation through 2021. Secured a $100,000 endowment from Partnership for Public Health, Inc. in 2015 to fund internship fellowships for MPH students. Recommended to the Dean that the department be separated into three units with balanced resources, proposed moving undergraduate public health into the MPH unit, and supported Health Sciences and Administration in establishing its Master of Healthcare Administration. Managed the transition to three units, each under its own chair, and advised Medical Laboratory Sciences on building its online program. Those units are now Public Health, Medical Laboratory Sciences, and Health Sciences and Administration.

*Principal Investigator*, Clinical Trials Program, University of West Florida. 2015 to 2020. Established the university's first clinical trials program under a $225,000 award from the Center for Research and Economic Opportunity. Served as principal investigator on three industry sponsored Phase 3 Alzheimer's trials, sponsored by Avanir Pharmaceuticals and Otsuka, beginning with the first clinical trial conducted at UWF.

*Director*, Center on Aging, University of West Florida, Pensacola, Florida. 2011 to 2016. Directed a multidisciplinary research and community engagement center. Built partnerships between the university and regional healthcare organizations and led public education on aging and dementia.

## ACADEMIC EXPERIENCE

| Title | Date | Location |
|---|---|---|
| Chair (interim) | 2024-2026 | University of West Florida. Pensacola, Florida.<br>Department of Biology |
| Professor | 2011-present | University of West Florida, Pensacola, Florida |
| Director | 2011-2016 | University of West Florida, Pensacola, Florida<br>Center on Aging |
| Chair (interim) | 2014-2016 | University of West Florida. Pensacola, Florida.<br>Department of Public Health, Clinical and Health Sciences |
| Associate Professor | 2007-2011 | University of Kentucky. Sanders-Brown Center on Aging. Departments of Physiology and Gerontology. Lexington, Kentucky |
| Assistant Professor | 2001-2007 | University of Kentucky. Sanders-Brown Center on Aging. Departments of Physiology and Gerontology. Lexington, Kentucky |

## CLINICAL TRIAL EXPERIENCE

| Role | Years | Study and Location |
|---|---|---|
| Principal Investigator | 2017-2019 | Triad Study (Avanir Pharmaceuticals)<br>University of West Florida, Pensacola, Florida |
| Principal Investigator | 2017-2020 | Triad Extension Study (Avanir Pharmaceuticals)<br>University of West Florida, Pensacola, Florida |

| Role | Years | Study and Location |
|---|---|---|
| Principal Investigator | 2018-2020 | Brexpiprazole Study (Otsuka Pharmaceutical Development and Commercialization, Inc)<br>University of West Florida, Pensacola, Florida |

## PATENTS

Inventor: **Guttmann, R.P.** Patent awarded June 10, 2008 - 7,385,027. "Membrane-permeable peptide capable of calpain inhibition."

Inventor: Kraner, S.D., **Guttmann, R.P.** and Norris, C.M. Patent awarded November 28, 2023 – 11,827,718. "Monoclonal antibodies that specifically label a proteolyzed pathologic form of the protein phosphatase calcineurin."

## CURRENT GRANTS

2024-2027 IDENTIFYING BIOMARKERS FOR THE EARLY DETECTION OF ALZHEIMER'S DISEASE USING PHAGE DISPLAY. 2R15AG066122-02 NIA. ($421,500). *Principal Investigator* (25% effort)

2026-2031 NEURONAUTS SCHOLARS. 1R25NS147367-01 NINDS. ($555,237). *Contact Principal Investigator* (10% effort)

## PREVIOUS CONTRACTS AWARDED

2017-2019 15-AVP-786-302. A PHASE 3, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO ASSESS THE EFFICACY, SAFETY, AND TOLERABILITY OF AVP-786 (DEUTERATED [D6]-DEXTROMETHORPHAN HYDROBROMIDE [D6-DM]/QUINIDINE SULFATE [Q]) FOR THE TREATMENT OF AGITATION IN PATIENTS WITH DEMENTIA OF THE ALZHEIMER'S TYPE. ($107,000) *Principal Investigator.*

2017-2020 15-AVP-786-303. LONG TERM, EXTENSION STUDY OF THE SAFETY AND EFFICACY OF AVP-786 FOR THE TREATMENT OF AGITATION IN PATIENTS WITH DEMENTIA OF THE ALZHEIMER'S TYPE. ($30,000) *Principal Investigator.*

2018-2020 331-14-213. A PHASE 3, 12-WEEK, MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, 2-ARM, FIXED-DOSE TRIAL TO EVALUATE THE EFFICACY, SAFETY, AND TOLERABILITY OF BREXPIPRAZOLE (OPC-34712) IN THE TREATMENT OF SUBJECTS WITH AGITATION ASSOCIATED WITH DEMENTIA OF THE ALZHEIMER'S TYPE. ($27,000) *Principal Investigator.*

## PREVIOUS GRANTS AWARDED

2020-2023 IDENTIFYING BIOMARKERS FOR THE EARLY DETECTION OF ALZHEIMER'S DISEASE USING PHAGE DISPLAY. 1R15AG066122-01 NIA. ($423,000). *Principal Investigator* (20% effort)

2019-2021 IMPACT OF ADAPTED DANCE ON MOOD AND PHYSICAL FUNCTION AMONG ALZHEIMER'S DISEASE ASSISTED LIVING RESIDENTS. Florida Department of Health ($92,000). *Co-Principal Investigator* (C. Bennett, PI). (10% effort)

2015-2018 BUILDING CLINICAL TRIALS AT THE UNIVERSITY OF WEST FLORIDA. Center for Research and Economic Opportunity ($225,000). *Principal Investigator* (25% effort)

2016-2018 ENHANCING DETECTION OF ALZHEIMER'S DISEASE BIOMARKERS USING PHAGE-DERIVED QUANTIFICATION (PDQ). Florida Department of Health. ($82,000). *Principal Investigator.* (10% effort).

2015-2016 DEVELOPING A SMILE HOME FOR SENIORS. University of West Florida. ($9,000). *Principal Investigator.*

2012-2015 POARCH BAND OF CREEK INDIANS ELDER ABUSE PREVENTION GRANT. Administration on Aging. ($250,000). 10% effort. (UWF: $95,000). *Co-Investigator*. (POARCH BAND OF CREEK INDIANS, P.I.)

2010-2011 TESTING OF SMALL PEPTIDE INHIBITORS IN THE TREATMENT OF NEUROPATHIC PAIN. GotGrants, University of Kentucky. ($10,000). *Principal Investigator.*

2010-2011 USE OF PHAGE DISPLAY TO DEVELOP BIOFLUID PIB BINDING AS A BIOMARKER FOR A.D. NIH, NIA pilot award through Sanders-Brown Center on Aging ADC. ($20,000) *Co-Principal Investigator,* Co-PI Harry LeVine).

2007-2012 CALPAIN AS A THERAPEUTIC TARGET FOR TBI. P01NS058484. NIH, NINDS. Program total: $4,615,226. P.I.: Geddes, J. *Core Leader, Core C, Proteomics and Biomarker Core* ($964,021). 25% effort.

2008-2009 PHASE ZERO AWARD FROM KENTUCKY SCIENCE AND ENGINEERING FOUNDATION TO SUPPORT THE DEVELOPMENT OF PHASE I STTR: *NOVEL PEPTIDES TO PREVENT NEURODEGENERATION FOLLOWING STROKE*. ($2,000). (*Principal Investigator,* 3P Pharmaceuticals).

2006-2009 OXIDATION OF THIOL-PROTEASES IN ALZHEIMER'S DISEASE. R21AG026521. NIH, NIA. $337,931. *Principal Investigator*. 33% effort.

2004-2009 MITOCHONDRIA, ROS, CA2+, AND CALPAIN IN THE AGING CNS. 2P01AG010836. NIH, NIA. Program total: $7,457,481. P.I.: Landfield, P. *Co-project leader, Project 4* ($950,525). 3% effort.

2003-2007 DEVELOPMENT OF NOVEL CALPAIN PROTEASE INHIBITORS USING PHAGE-PEPTIDE DISPLAY. American Heart Association, Developing Scientist Grant. ($240,000). 10% effort. *Principal Investigator.*

2004-2007 DEVELOPMENT OF NOVEL CALPAIN INHIBITORS USING PHAGE DISPLAY. R21NS047635. NIH, NINDS. $374,626. *Principal Investigator.* 50% effort.

2004 MAJOR RESEARCH EQUIPMENT GRANT. UNIVERSITY OF KENTUCKY. ($50,000). *Principal Investigator.*

2002-2003 DETERMINATION OF THE REDOX STATE OF THE CALCIUM- AND CYSTEINE-DEPENDENT PROTEASE, CALPAIN IN ALZHEIMER'S DISEASE. NIH, NIA. ($20,000). 25% effort. *Principal Investigator.*

2000-2002 MODULATION OF NMDA RECEPTOR ACTIVITY BY CALPAIN. F32NS010834. NIH, NINDS, Individual National Research Service Award. $71,916. *Principal Investigator.* 100% effort.

1999-2000 CALPAIN-MEDIATED REGULATION OF NMDA RECEPTORS DURING ISCHEMIC INSULT. American Heart Association. Postdoctoral Award. ($35,000). 100% effort. *Principal Investigator.*

## PUBLICATIONS (PEER-REVIEWED)

Bennett, C.G., **Guttmann, R.P**., Hackney, M.E., Amin, R., and Weaver, B.S. Impacts of Adapted Dance on Mood and Physical Function among Persons living with Alzheimer's Disease. Journal of Alzheimer's Disease. (2024). doi: 10.1177/13872877241298529.

Neidigk, D.A., Linkous, A.N., and **Guttmann, R.P.** Identifying genetic factors that increase cognitive reserve: A Theoretical Approach. (2023). Research Ideas and Outcomes 9: e107939. doi: 10.3897/rio.9.e107939.

Ko, J., Jang, Y.C., Quindry, J., **Guttmann, R.P.**, Cosio-Lima, L., Powers, S.K., and Lee, Y. Exercise-Induced Anti-Senescence and Autophagy Restoration Mitigate Metabolic Disorder-Induced Cardiac Disruption in Mice. (2023) Med Sci Sports Exerc. PMID: 36251370

Amin, R., **Guttmann, R.P.**, Rivera-Muniz, B., Holley, M., and Uher, M. Spatial and space-time clusters of suicides in the contiguous USA (2000-2019). (2022) Annals of Epidemiology.

Blum, M.D., Buford, S., Goldsworthy, T., Philips, W.D., Catalani, C.D., and **Guttmann, R.P.** Assigning Culpability of the Opioid Epidemic in the United States. (2022). Inquiries Journal. 14 (3).

Jones, S.M., Castaing, G.I., Teets, E.L., Wells, J.J and **Guttmann, R.P.** The Price of Predatory Marketing on Older Adults: A Perspective on Prevagen Potency. (2021) Inquiries Journal Volume 13(9).

Amin, R., Muniz, B and **Guttmann, R.P.** Spatial and space-time clusters of brain tumor and CNS incidence and mortality in the contiguous USA: 2000-2014. (2021) Social Sciences & Humanities Open, Volume 4, Issue 1.

Amin, R., Muniz, B and **Guttmann, R.P.** A spatial study of quality of life in the USA. (2021) S.N. Soc Sci 1, 110.

**Guttmann, R.P.**, Sims, P.L, Churchill, C.R., Waters, C.R., Berry, B.M. and Wells, J. (2020) Coconut Oil and its Constituents as a Treatment for Alzheimer's Dementia. Journal of Student Research. *9*(1). https://doi.org/10.47611/jsr.v9i1.1046.

Stafford B., **Guttmann, R.P.** and Amin, R.W. (2019) A Spatial Study of Bladder Cancer Mortality and Incidence in the Contiguous U.S.: 2000-2014. Science of the Total Environment June 20;670:806-813.

Amin, R.W., Yacko, E.M., and **Guttmann, R.P.** (2018) Geographic Clusters of Alzheimer's disease Mortality Rates in the USA: 2008-2012. The Journal of Prevention of Alzheimer's Disease 5(4):231-235.

Amin, R.W., **Guttmann, R.P.**, Harris, Q.R., and Thomas, J.W. (2018) The Prediction of Vancomycin Dose for Recommended Trough Concentrations in Pediatric Patients with Cystic Fibrosis. The Journal of Clinical Pharmacology. May;58(5):662-665.

Talboy, A.N, Aylward, A.M., Lende, D and **Guttmann, R.P.** (2016) Young Adults Perspectives on the Selection of Pharmaceuticals for Mental Health Treatment. Patient Experience Journal. Vol. 3: Iss. 2, Article 7.

Pleiss, M, Sompol, P., Hafiz, M.A., Furman, J, **Guttmann, R.P.**, Wilcock, D., Nelson, P., and Norris, C.M. (2016) Calcineurin proteolysis in astrocytes: Implications for impaired synaptic function. Biochim Biophys Acta. Sep;1862 (9):1521-32

Ghoshal, S., Bondada, V., Saatman, K.E., **Guttmann, R.P.**, and Geddes, J.W. (2016) Phage Display for Identification of Serum Biomarkers of Traumatic Brain Injury. May 7 J. of Neuroscience Methods. S0165-0270(16)30078-4.

Clinkinbeard, T., Ghoshal, S., Craddock, S., Pettigrew, L. and **Guttmann, R.P.** Calpain cleavage of MetAP2 in ischemic stroke. (2013) Brain Research. 7;1499:129-35.

**Guttmann, R.P.,** and Powell, T. (2012). Redox Regulation of Cysteine-Dependent Enzymes in Neurodegeneration. International Journal of Cell Biology. (2012). Article ID 703164

**Guttmann, R.P.,** and Ghoshal, S. (2011). Oxidation of thiol-proteases in age-related neurodegeneration. Free Radical Biology and Medicine. July 15;51(2):282-8.

Hafiz, M-A, Baig, I., LeVine, H., **Guttmann, R.P.,** and Norris, C.M. (2011). Calpain-mediated proteolysis of calcineurin is increased in hippocampus during mild cognitive impairment and is stimulated by oligomeric Abeta. Aging Cell. 10(1):103-13.

**Guttmann, R.P.** (2010) Redox regulation of cysteine-dependent enzymes. Journal of Animal Science. Apr;88(4):1297-306.

Li, L., Bolstad, E, Anderson, A, **Guttmann, R.P.*** and Vinogradova, O.* (2009). NMR Structural Characterization of the Penta-Peptide Calpain Inhibitor. FEBS Letters. 583(1):135-40.

Chen, G, **Guttmann, R.P.**, Xiong, Y.L., and Webster, C.D. (2008). Protease Activity in Post-Mortem Red Swamp Crayfish (Procambarus clarkii) Muscle Stored in Modified Atmosphere Package. Journal of Agricultural and Food Chemistry. 56(18):8658-63.

**Guttmann, R.P.** (2007) Recent developments in the therapeutic targeting of calpains in neurodegeneration. Expert Opinion in Therapeutic Patents. 17, 1203-1213.

Geddes, J.W., Bondada, V., Sengoku, T., Dubal, S. and **Guttmann, R.P.** Strategies for Calpain Inhibition Following CNS Trauma. Indian Journal of Neurotrauma (2006).

McCollum, A.T., Jafarifar, F, Lynn, B.C, Agu, R.U., Stinchcomb, A.L., Wang S, Chen, Q, and **Guttmann, R.P.** (2006) Inhibition of calpain-mediated cell death by a novel peptide inhibitor. Experimental Neurology. 202(2):506-13.

Chen Q, Thompson, S.N., Hall, E.D., and **Guttmann, R.P.** (2006) Identification and characterization of PEBP as a calpain substrate. Journal of Neurochemistry. 99: 1133-1141.

Marcum, J.L., Mathenia, J.K., Chan, R. and **Guttmann, R.P.** (2005) Oxidation of thiol-proteases in the hippocampus of Alzheimer's disease. Biochemical and Biophysical Research Communications. July 11;334(2):342-348.

**Guttmann, R.P.**, Day 3rd GA, Wang, and Bottiggi KA. (2005) Identification of a novel calpain inhibitor using phage display. Biochemical and Biophysical Research Communications. August 12;333(4):1087-92.

Yadavalli R, **Guttmann, R.P.**, Centers AP, Seward T, Williamson RA, and Telling G.C. (2004) Prion propagation is a calpain-dependent process. Journal of Biological Chemistry. 279(21):21948-21956.

McCollum, A.T., Jafarifar, F., Chan, R., and **Guttmann, R.P.** (2004) Oxidative Stress Inhibits Ionomycin-Mediated Cell Death in Cortical Neurons. Journal of Neuroscience Research. 76(1): 104-109.

Simpkins, K., **Guttmann, R.P.**, Dong Y, Chen Z, Sokol S, Neumar R, and Lynch DR. (2003) Selective activation induced cleavage of the NR2B subunit by calpain. Journal of Neuroscience. 23(36):11322–11331.

Eberz, A.J., **Guttmann, R.P.**, Giasson, B.I., Day III, G.A., Lee, V.M-Y, Trojanowski, T.Q. and Lynch, DR. (2003) Distinct Cleavage Patterns Of Normal And Pathologic Forms Of Alpha-synuclein By Calpain I *In Vitro*. Journal of Neurochemistry. 86(4):836-847.

Neumar, R.W., Xu, Y.A., Gada, H., **Guttmann, R.P.** and Siman, R. (2003) Crosstalk between calpain and caspase proteolytic systems during neuronal apoptosis. Journal of Biological Chemistry. 278(16):14162-7.

**Guttmann, R.P.**, Sokol S., Baker, D.L., Simpkins, K.L., Dong, Y. and Lynch, D.R. (2002) Proteolysis of the NMDA receptor by calpain *in situ.* Journal of Pharmacology and Experimental Therapeutics. 302(3):1023-30.

Lynch, D.R., and **Guttmann, R.P.** Excitotoxicity: Perspectives based on NMDA receptor subtypes. (2002) Samuel Enna ed. Journal of Pharmacology and Experimental Therapeutics. 300:717-23.

Grant, E.R., **Guttmann, R.P.**, Seifert, K.M. and Lynch, D.R. (2001) A region of the N-methyl-d-aspartate receptor 2A subunit that is sufficient for potentiation by phorbol esters. Neuroscience Letters. 310(1):9-12.

Lynch, D.R., and **Guttmann, R.P.** (2001) NMDA Receptor Pharmacology: Perspectives From Molecular Biology. *Current Drug Targets.* 2(3):215-31.

**Guttmann, R.P.**, Baker, D.L., Seifert, K.M., Cohen, A.S., Coulter, D.A. and Lynch, D.R. (2001) Specific proteolysis of the NR2 subunit at multiple sites by calpain. Journal of Neurochemistry. 78(5):1083-93.

Lynch, D.R., Shim, S.S., Seifert, K.M., Kurapathi, S., Mutel, V., Gallagher, M.J. and **Guttmann, R.P.** (2001) Pharmacological characterization of interactions of R.O. 25-6981 with the NR2B (Epsilon 2) subunit. European Journal of Pharmacology. 416(3):185-95.

Anegawa, N.J., **Guttmann, R.P.**, Grant, E.R., Anand, R., Lindstrom, J., and Lynch, D.R. (2000) N-Methyl-D-aspartate receptor mediated toxicity in nonneuronal cell lines: characterization using fluorescent measures of cell viability and reactive oxygen species production. Brain Research Molecular Brain Research. 77(2):163-175.

McCormack, M.L., **Guttmann, R.P.**, Schumann, M., Farmer, J.J., Stolle, C.A., Campuzano, V., Koenig, M., and Lynch, D.R. (2000) Novel frataxin point mutations in two patients with Friedreich's ataxia and unusual clinical features. Journal of Neurology, Neurosurgery, and Psychiatry. 68:661-4.

Zhang, J-W., **Guttmann, R.P.** and Johnson, G.V.W. (1998) Tissue transglutaminase is an in situ substrate of calpain: Regulation of activity. Journal of Neurochemistry. 71: 240-247.

**Guttmann, R.P. and** Johnson, G.V.W. (1998) Oxidative inactivation of calpain in situ. Journal of Biological Chemistry. 273: 13331-13338.

Zhang, J., Lesort, M., **Guttmann, R.P.** and Johnson, G.V.W. (1997) Modulation of the in situ activity of tissue transglutaminase by calcium and GTP. Journal of Biological Chemistry. 273: 2288-2295.

Johnson, G.V.W., and **Guttmann, R.P.** (1997) Calpain: Intact and Active? BioEssays. 19, 1011-1018.

**Guttmann, R.P.,** Elce, J.C., Bell, P.D., Isbell, J.C. and Johnson, G.V.W. (1997) Oxidation inhibits substrate proteolysis by calpain I but not autolysis. Journal of Biological Chemistry. 272:2005-2012.

**Guttmann, R.P.,** Erickson, A.C. and Johnson, G.V.W. (1995) The self-association of tau: Modulation by phosphorylation and oxidation state. Journal of Neurochemistry. 64: 1209-1215.

## MANUSCRIPTS IN PREPARATION

Amin, R.A., Dunnam, J.A., and **Guttmann, R.P.** A Surveillance study of Alzheimer's disease clusters in the contiguous USA (2011-2020). (2026)

## WEB-BASED PUBLICATIONS (PEER-REVIEWED)

**Guttmann, R.P.** (2014). "Mild Cognitive Impairment: A Risk Factor for Dementia." The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. https://cmecourses.som.uab.edu/course/index.php?categoryid=5

**Guttmann, R.P.**, Cantey, N.I., and Bishop, C.J. (2015). "Identifying and Responding to Financial exploitation in Older Adults" The Deep South CME Network, UAB Geriatric Education Center, UAB Division of CME. https://cmecourses.som.uab.edu/course/index.php?categoryid=5

## BOOK AND BOOK CHAPTERS (PEER-REVIEWED)

**Guttmann, R.P. and** Johnson, G.V. (2000) Measurement of calpain activity in vitro and in situ using a fluorescent compound and tau as substrates. *Methods in Molecular Biology.* 144:143-50.

**Guttmann, R.P.** and Johnson, G.V.W. (1999) Calpain mediated proteolysis of the cytoskeleton. Kevin K.W.Wang and Po-Wai Yuen eds. *The Pharmacology and Toxicology of Calpain*. Taylor and Francis.

## OTHER WORKS (NON-PEER-REVIEWED)

**Guttmann, R.P.,** Robison, K. and Bryson, H. "Respect, Empower, Report." Elder Abuse Prevention Program for Poarch Band of Creek Indians. Supported by Administration on Aging. August 2016.

Kanuck, M., Vodanovich, S., and **Guttmann, R.P.** "Clinic Selection and Retention Summary Report." January 2015.

Rivera, S, and **Guttmann, R.P.** "Memory Care Activities for Residents in a Dementia Care Unit". August 2015.

Ewen, H.H., Bottiggi, K., Anderson, K., Day, G., Hughes, T.B., Knapp, K., Lawrence, S., Leach, C.R., Traywick, L.S., **Guttmann, R.P.,** Teaster, P.B., and Smith, M.D. (2005). Recommendations for the White House Conference on Aging from the University of Kentucky Summer Series on Aging. Occasional Research Report: University of Kentucky.

## ABSTRACTS

Hanners, C., and **Guttmann, R.P.** Finding the Tiny Thing That Can Search for Something That Helps Kills Your Brain. "Simple Speak Showdown" 2026 UWF Symposium Poster Presentation

Coarsey, C, Smith, C., and **Guttmann, R.P.** PRI Interaction and the Effects on Caregiver Burden. Spring 2026 UWF Symposium Poster Presentation

Lyublanovits, B., Shaw, S. and **Guttmann, R.P.** Developing Assays to Monitor EGFR-Positive Cell Behavior: A Pilot Study using HEK293 Cells. Spring 2026 UWF Symposium Poster Presentation

Bruner, B., Sherpa, S and **Guttmann, R.P.** EGFR-Targeted Phage Screening: Discovering Peptide Therapeutics that Target Cancer-Driven Receptors. Spring 2026 UWF Symposium Poster Presentation

Wimberly, D., and **Guttmann, R.P.** Identification of Phage Binders to Phosphorylated tau in Human CSF Using phage display. UWF Summer Undergraduate Research Poster. Summer 2025.

Lyublanovits, B., and **Guttmann, R.P.** Developing Assays to Monitor HER-2 positive cell behavior: A pilot student using HEK293 cells. UWF Summer Undergraduate Research Poster. Summer 2025.

Kliche, A., and **Guttmann, R.P.** Development of Calpain II Inhibitors using peptide phage display library screening method. UWF Summer Undergraduate Research Poster. Summer 2025.

Hanners, C, and **Guttmann, R.P.** Targeting pTau181 with phage display. UWF Summer Undergraduate Research Poster. Summer 2025.

Goodman, C., and **Guttmann, R.P.** Identifying Alzheimer's Disease Biomarkers using phage display. UWF Summer Undergraduate Research Poster. Summer 2025.

Flannigan, J., and **Guttmann, R.P.** Identification of Phage Binders to pTau217 using phage display. UWF Summer Undergraduate Research Poster. Summer 2025.

Bacon, S., and **Guttmann, R.P.** Using M13 Phage Display to Synthesize Synthetic Spider Silk. UWF Summer Undergraduate Research Poster. Summer 2025.

Bruner, B., and **Guttmann, R.P.** EGFR-Targeted Phage Screening Like Speed Dating but for Science. UWF Summer Undergraduate Research Poster. Summer 2025.

Coarsey, C., and **Guttmann, R.P.** Improving Hydration and Caloric Intake in People with Dementia Using a Robotic Pet. UWF Summer Undergraduate Research Poster. Summer 2025.

Lyublanovits, B. and **Guttmann, R.P.** Using Phage Display to Target HER2 Positive Cells: A Study with HEK293 Cells. Spring 2025 UWF Symposium Poster Presentation.

Yousef, Z., Bruner, B., and **Guttmann, R.P.** Vascular Endothelial Growth Factor Receptor Phage Mediated Cancer Control. Spring 2025 UWF Symposium Poster Presentation.

Bruner, B., Yousef, Z., and **Guttmann, R.P.** Epidermal Growth Factor Receptor Phage-Mediated Cancer Control. Spring 2025 UWF Symposium Poster Presentation.

Coarsey, C., Reichherzer, T., Sevil, H., and **Guttmann, R.P.** Improving Hydration and Caloric Intake in People with Dementia Using a Robotic Pet. Spring 2025 UWF Symposium Poster Presentation.

Bruner, B., and **Guttmann, R.P.** Epidermal Growth Factor Receptor Phage-Mediated Cancer Control. National Conference on Undergraduate Research (NCUR). 2025.

Hanners, C. and **Guttmann, R.P.** Phage-Based targeting of Phospho-Tau181 in Alzheimer's Disease. Annual Biomedical Research Conference for Minoritized Scientists. Nov., 2024. Pittsburgh, PA.

Scott, M.L., Kilpatrick, C.M., Sisskin, E.E., Williamson, K.J., Jones, S.M., Truax, S.L., and **Guttmann, R.P.** Identifying biomarkers using phage-display in Alzheimer's disease. Society for Neuroscience Oct., 2024. Chicago, IL.

Gonzalez, C., and **Guttmann, R.P.** Environmental Enrichment Scoring Tool for Preservation and Improvement of Cognitive Function in Elderly Adults. Spring 2024 UWF Symposium Oral Presentation.

Schlobohm, A., and **Guttmann, R.P.** Low-Dose Psilocybin for Mental Disorders: A Pharmacological and Systematic Review. Spring 2024 UWF Symposium Poster Presentation

Bruner, B., and **Guttmann, R.P.** Isolating Transfected Epidermal Growth Factor Receptor HEK293 cells via Antibiotic Resistance. Spring 2024 UWF Symposium Oral Presentation.

Cook, J. J., Robison, K., and **Guttmann, R.P.** Informed Consent in the Age of Artificial Intelligence: A Leap Forward for Clinical Research. Spring 2024 UWF Symposium Oral Presentation.

Scott, M.L., Linkous, A.N., Truax, S.L., Kemp, L.S., and **Guttmann, R.P**. The Pharmacokinetic profile of LSEAL. Southern Regional Honors Conference 2024 Poster Presentation.

Scott, M.L., Linkous, A.N., Truax, S.L., Kemp, L.S., and **Guttmann, R.P.** The Pharmacokinetic profile of LSEAL. Spring 2024 UWF Symposium Poster Presentation.

Bruner, B., and **Guttmann, R.P.** Phage-Mediated Inhibition of the Epidermal Growth Factor Receptor. UWF Summer Undergraduate Research Poster. Summer 2024.

Ramsden, E., and **Guttmann, R.P.** Development of MaSp2 Spidroin using M13 Phage Display. UWF Summer Undergraduate Research Poster. Summer 2024.

Bruner, B., Tremaine, L., MacFarland, S., and **Guttmann, R.P.** Investigating the Effects of HER2 cDNA Transfection and Identifying Novel Binding Partners using Phage Display. Summer 2023 OUR presentation.

Kemp, L., and **Guttmann, R.P.** Search of Calpain II Inhibitor Using Phage Display Technique. Summer 2023 OUR presentation.

MacFarland, S., Tremaine, L., Bruner, B., and **Guttmann, R.P.** Using Phage Display to Target and Inhibit the Activity of VEGFRs. Summer 2023 OUR presentation.

Peterson, J., and **Guttmann, R.P.** Development of Spidroin MaSp2 using M13 Phage Display. Summer 2023 OUR presentation.

Scott, M., and **Guttmann, R.P.** Identifying bacteriophage specific to calpain-cleaved tau in-vitro. Summer 2023 OUR presentation.

Tremaine, L., Bruner, B., MacFarland, S., and **Guttmann, R.P.** Identifying Phage to Regulate EGF Receptor Activity to Kill Cancer Cells. Summer 2023 OUR presentation.

MacFarland, S., and **Guttmann, R.P.** Using Phage Display to Target and Inhibit the Activity of VEGFRs. Summer 2023. SURP Empowerment oral presentation.

Neidigk, D., Linkous, A., and **Guttmann, R.P.** Experimental Evolution as Treatment for Alzheimer's Disease in Drosophila. Spring 2023. UWF OUR presentation.

Linkous, A., Kim, E., and **Guttmann, R.P.** Cell-Based Measurement of EGFR with FRET. Spring 2023. UWF OUR presentation.

Scott, M., and **Guttmann, R.P.** Identifying bacterial phage specific to calpain cleaved tau in-vitro and in-situ. Spring 2023. UWF OUR presentation.

Lewis, B., and **Guttmann, R.P.** Detection of Alzheimer's-Modified Tau via Phage Display. Spring 2023. UWF OUR presentation.

Kim, E., and **Guttmann, R.P.** Creating Peptide Inhibitors of Epidermal Growth Factor Receptor for Cancer Treatment. Spring 2023. UWF OUR presentation.

Quijano, K., **Guttmann, R.P.,** and Bennett, C., The Impact of 12 Weeks of Adapted Dance on Balance, Gait, and Lower Extremity Function Among Persons with Dementia. Spring 2023. UWF OUR presentation.

Truax, S., Linkous, A., Williamson, K. and **Guttmann, R.P.** Utilizing M13 phage display as Biomarkers for ptau231 with Shrimp Alkaline Phosphatase elution strategy. Summer 2022. UWF OUR presentation.

Linkous, A., Scott, M., Truax, S., and **Guttmann, R.P.** Testing the Differential Binding of Phosphorylated and Non-Phosphorylated Tau. Spring 2022. UWF OUR presentation.

Scott, M., Linkous, A., Truax, S. and **Guttmann, R.P.** Modulating Calpain Activity By LSEAL. Spring 2022. UWF OUR presentation.

Snider, S, Jones, S., Sisskin, E. and **Guttmann, R.P.** Finding Biomarkers for Early Alzheimer's Detection. April 2021. National Council on Undergraduate Research.

Jones, S. and **Guttmann, R.P.** Detection of Post-Translation Modifications of Tau Protein in Alzheimer's Disease Using a Phage Display Approach. April 2021. National Council on Undergraduate Research.

Sims, P. and **Guttmann, R.P.** Early Detection of Alzheimer's Disease using Phage-Based Biomarkers. Summer 2021 online OUR presentation.

Jones, S. and **Guttmann, R.P.** Phage Display Techniques for Alzheimer's Disease. Summer 2021 online OUR presentation.

Lurk, P. and **Guttmann, R.P.** Redox State on Calpain Activity. Summer 2021 online OUR presentation.

Borrelli, D. and **Guttmann, R.P.** Gel Electrophoresis of Specific Calpain-Cleaved Tau. Summer 2021 online OUR presentation.

Holland, I. and **Guttmann, R.P.** Utilizing Ph.D.-C7C Phage Display Library and Samples of CSF from Non-Ad and Clinically Diagnosed A.D. Patients to Perform an Enzyme-linked Immunosorbent Assay. Summer 2021 online OUR presentation.

Summers, E., Cook, J., Slobodian, A., Robison, K., and **Guttmann, R.P.** Consenting Dementia Patients in Clinical Trials at the University of West Florida. (August 2019). 2019 SURP Symposium, UWF.

Camelia, P., **Guttmann, R.P.** and Bennett, C. Impact of Adapted Dance on Mood and Physical Function among Alzheimer's Disease Assisted Living Residents. (August 2019) Student Scholars Symposium, UWF.

Cook, J., Summers, E., Noll, A., Robison, K., and **Guttmann, R.P.** Clinical Trials at the University of West Florida: Advocating for Sponsorship in Undergraduate Clinical Research. (May 2019) Student Scholars Symposium, UWF.

Cook, J., Summers, E., Noll, A., Robison, K., and **Guttmann, R.P.** Clinical Trials at the University of West Florida: Advocating for Sponsorship in Undergraduate Clinical Research. (March 2019) Southern Regional Honors Council Conference.

Cook J., and **Guttmann, R.P.** Clinical Trials at the University of West Florida. (August 2018). 4th Annual Summer Research Symposium. UWF.

Brock, O., Hayslip, M., Cook, J., Summers, E., DiMercurio, A., Lockhart, B. and **Guttmann, R.P.**, Phage-based biomarkers in Alzheimer's disease. (April 2018). Student Scholars Symposium, UWF.

Brock, O., Hayslip, M., and **Guttmann, R.P.** Phage-based Detection of Alzheimer's Disease Pathology. (April 5, 2018) National Conference on Undergraduate Research. Oklahoma City, OK.

Brock, O, Medeiros, B, and **Guttmann, R.P.** Using Phage as a Biomarker Identification tool for Early Alzheimer's Disease Detection. (August 2017). 3rd Annual Summer Research Symposium. UWF.

North, C., Brock, O., Mullins, T., Sweeney, M., Medeiros, B., and **Guttmann, R.P.** Novel Alzheimer's disease biomarker development in blood and cerebrospinal fluid. (April 2017). Student Scholars Symposium, UWF.

Vaughan, E., Mullins, T., Sweeney, M. and **Guttmann, R.P.** Tau-based biomarker development for the early detection of Alzheimer's disease. (April 2017). Student Scholars Symposium, UWF.

Bryson, H. and **Guttmann, R.P.** Examining relationships between age-related attitudes and health-related quality of life. (2016). Southeastern Psychological Association.

Webster C., Jordan, E., Rotunda, R., and **Guttmann, R.P.** Attitudes Toward Smoking in College Students. (Apr. 2016). Student Scholars Symposium, UWF.

Rivera, S., Blalock, L., and **Guttmann, R.P.** Training the Brain: Examining the Effectiveness of a Cognitive Skills Training Program. (Apr. 2016). Student Scholars Symposium, UWF.

Mullins, T., and **Guttmann, R.P.** Reciprocity and the Likelihood to Accept Charity: The Moderating Effects of Gratitude. (Apr. 2015). Student Scholars Symposium, UWF.

O'Connor, E., and **Guttmann, R.P.** Nutrition As Medicine. (Apr. 2015). Student Scholars Symposium, UWF.

Nalley, M., Pham, H., Hileman, F., and **Guttmann, R.P.** Determination of Nanomolar Levels of Synthetic Peptide LSEAL by Liquid Chromatography/Mass Spectrometry. (Apr. 2014). Student Scholars Symposium, UWF.

Talboy, A. N., and **Guttmann, R.P.** Treatment selection and use of critical thinking differ among younger and older adults. (Jan. 2013). 25th Annual Association for Psychological Science Convention.

Ghoshal, S, Geddes, J, Saatman, K and **Guttmann, R.P.** Developing biomarkers for traumatic brain injury using phage display. (Nov. 2012). Neurotrauma.

**Guttmann, R.P.,** Donahue, R.R., and Taylor, B.K. Calpain Inhibition Reduces Neuropathic Pain. (Nov. 2012). Society for Neuroscience.

Jordan, E. F., Harrison, D. F., **Guttmann, R.P.,** and Belter, R. W. Using YouTube© to assess adults' responses to children's misbehavior. (Oct. 2012). National Council on Family Relations annual conference, Phoenix, AZ.

Clinkinbeard, T., Ghoshal, S., Craddock, S., Pettigrew, L.C. and **Guttmann, R.P.** Calpain cleaves methionine aminopeptidase 2 in a rat model of ischemia. (Nov. 2012). Society for Neuroscience.

Kruger, T., Blonder, L., Rowles, G.R., **Guttmann, R.P.,** Schmitt, F., and Zanjani, F. Responses to a Diagnosis of Mild Cognitive Impairment. Gerontologist. (Nov. 2012)

Harrison, D. F., Jordan, E. F**., Guttmann, R.P.,** & Belter, R. W. *Is the book better than the movie: The impact of media type on responses to child misbehavior.* (Apr. 2012). University of West Florida Student Scholars Symposium, Pensacola, Florida.

Clinkinbeard T., Ghoshal S., Craddock S., Pettigrew L.C., and **Guttmann, R.P.** Calpain cleaves methionine aminopeptidase 2 in a rat model of ischemia. (Apr. 2012). Keeneland Conference for Public Health Systems and Services, Lexington, KY.

**Guttmann, R.P.**, Bryan, K., VanWormer, L. and Kass, S. Aging Strategies and The University of West Florida. (Feb. 2012). Southeastern Psychological Association.

Kruger, T., **Guttmann, R.P.,** and Sokan, A. Explicating Inequality: Applying the Theory of Cumulative Inequality from Cell to Society. (Nov. 2010). Gerontological Society of America.

Ghoshal, S., and **Guttmann, R.P.** Neo-epitope antibody production to monitor calpain activity. (Nov. 2010). Society for Neuroscience (354.8)

Teaster, P.B., **Guttmann, R.P.,** Mendiondo, M.S., and Grace, J. Elder abuse and the Multiple Hit Hypothesis. (Nov. 2010). American Public Health Association.

Joseph, R. and **Guttmann, R.P.** Use of Phage-Display to Identify Low Molecular Weight Peptides that Inhibit Calpain Protease Activity. (Feb. 2010). District Science Fair (First Place Winner – High School).

Abdul, H.M., **Guttmann, R.P.,** and Norris, C.M. Calpain-mediated proteolysis of calcineurin in A.D.: Implications for neuroinflammation. (Oct. 2009). Society for Neuroscience.

**Guttmann, R.P.** Development of Calpastatin Mimetic Using Phage Display. (Jun. 2009). American Peptide Symposium.

Clinkinbeard, T. and **Guttmann, R.P.** Alzheimer's in America: costs and the search for a cure. (Apr. 2009). University of Kentucky Graduate Student Interdisciplinary Conference.

Lynch, D.R., Wu H-Y, Baconguis, IR.J.E, Gleichman, A. **Guttmann, R.P.** Calpain mediated cleavage of NR2B. (Oct. 2007). Society for Neuroscience.

Chen, Q., Bogyo, M., Wang, S., and **Guttmann, R.P.** Identification of oxidized thiol proteases in Alzheimer's disease. (Mar. 2007). 8th International Conference AD/PD.

**Guttmann, R.P.,** Wang, S., Bacon, M., Jafarifar, F., Chan, R., and McCollum A.T. Inhibition of calpains via non-active site targeting peptides. (Nov. 2006). American Heart Association.

**Guttmann, R.P.**, Chen, Q., Wang, S., and Bogyo, M. Activity-dependent cysteine protease profiling in Alzheimer's disease. (Oct. 2006). Society for Neuroscience.

**Guttmann, R.P.,** and Marcum, J.L. Protease activity in Alzheimer's disease brain. (Nov. 2005). Society for Neuroscience.

Day, G.A. 3rd and **Guttmann, R.P.** Phage-display derived inhibitors of calpain. (Nov. 2005). Society for Neuroscience.

Day, G.A. 3rd and **Guttmann, R.P.** Use of peptide-phage display to develop novel calpain inhibitors. (Oct. 2005). College of Public Health Research Day.

**Guttmann, R.P.**, LeVine H., Estus S., and Jafarifar F. Oxidative inhibition of cysteine-proteases in Alzheimer's Disease. (Oct. 2004). Society for Neuroscience.

Eberz, A.J, Giasson, B.I., Norris, E.H., Hodara, R., **Guttmann, R.P.**, Ischiropoulos, H, Lee, V.M-Y, Trojanowski J.Q., and Lynch, D.R. Calpain cleavage of modified forms of a-synuclein in vitro. (Nov. 2003). Society for Neuroscience.

**Guttmann, R.P.,** Chan, R., Jafarifar, F., and McCollum, A.T. Use of peptide-phage display to develop novel calpain inhibitors. (Nov. 2003). Society for Neuroscience.

Yadavalli, R., **Guttmann, R.P.,** Centers, A.P., Seward, T., Williamson, R.A., and Telling, G.C. Prion propagation is a calpain-dependent process. (Oct. 2003). International Prion Conference: From Basic Research to Intervention Concepts.

Eberz, A.J., **Guttmann, R.P.**, Giasson, B.I., Trojanowski, J.Q., Lee, V.M-Y, and Lynch, D.R. Biochemical study of alpha synuclein cleavage by calpain. (Nov. 2002). Society for Neuroscience.

**Guttmann, R.P.**, Chan R.K, Craddock S.D. and Pettigrew, L.C. Reversible thiol oxidation of calpain in ischemic stroke. (Nov. 2002). Society for Neuroscience.

Dong, Y., **Guttmann, R.P.** and Lynch, D.R. Calpain cleavage of NR2B. (Nov. 2002). Society for Neuroscience.

Neumar, R.W., Xu, Y.A., **Guttmann, R.P.,** and Siman, R. Calpastatin Overexpression Reduces Free Radical-Mediated Neuronal Death. (May 2002). Academic Emergency Medicine.

**Guttmann, R.P.** and Lynch, D.R. Calpain-mediated effects of NR2 subunit truncation within the NMDA receptor. (Nov. 2001). Society for Neuroscience.

Neumar, R.W., Xu, Y.A., **Guttmann, R.P.,** and Siman, R. Interaction of calpain and caspase proteolytic systems during neuronal apoptosis. (Nov. 2001). Society for Neuroscience.

Grant, E.R., **Guttmann, R.P.**, and Lynch, D.R. Localization of structural determinants for modulation of recombinant NMDA receptors by PKC. (Nov. 1999). Society for Neuroscience. 25:889.6.

**Guttmann, R.P.**, Grant, E.R., and Lynch, D.R. Calpain-mediated regulation of N-methyl-D-aspartate receptor function. (Nov. 1999). Society for Neuroscience Abstracts, 25:889.5.

Lynch. D.R., Seifert, K., Kurapathi, S., Anegawa, N.J., and **Guttmann, R.P.** Physiological coupling of NMDA receptor activity and nitric oxide production in heterologous expression systems. (Nov. 1999). Society for Neuroscience Abstracts, 25:889.4.

**Guttmann, R.P.** and Johnson, G.V.W. Modulation of calpain activity in situ by oxidation. (Nov. 1997). Society for Neuroscience Abstracts.

**Guttmann, R.P.,** Bell, P.D, and Johnson, G.V.W. Reversible inactivation of calpain I by oxidation. (Nov. 1996). Society for Neuroscience Abstracts, 22:1894.

Johnson, G.V.W., **Guttmann, R.P.,** and Davis, P.K. Oxidation-induced alterations of tau protein. (Sept. 1996). Journal of Neurochemistry, 66:S74.

Johnson, G.V.W., Litersky, J.M., and **Guttmann, R.P.** Calcium-dependent proteolysis of the microtubule-associated protein tau: Modulation by site-specific phosphorylation. (Sept. 1996). Journal of Neurochemistry, 66:S74.

**Guttmann, R.P.,** and Johnson, G.V.W. The in vitro and in situ proteolysis of tau by calpain. **(**Nov. 1994). Society for Neuroscience Abstracts, 20:1036.

**Guttmann, R.P.,** Erickson, A.C., and Johnson, G.V.W. Tau self-association: Stabilization with chemical cross-linking agents. (Aug. 1993). Molecular Biology of the Cell, 4:393A.

## LECTURES BY INVITATION

**Guttmann, R.P.** Research in aging and dementia for public health session: "Aging and dementia: making it a public health priority". FSU Public Health Conference. April 22, 2023.

**Guttmann, R.P.** " Tau Biomarkers in Alzheimer's disease." Keynote speaker/Virtual Presenter. Alzheimer's Association "Entangled: Tau, Alzheimer's and Brain Health." March 3, 2021.

**Guttmann, R.P.** " Aging and Dementia: Making it a Public Health Priority." Virtual Presenter. Queensborough Community College. October 28, 2020.

**Guttmann, R.P.** "Alzheimer's disease in 2020". Keynote address. Know Dementia: Education, Advice & Support. Pensacola, Florida. Sponsored by Covenant Care. September 23, 2020.

**Guttmann, R.P.** "Biomarker Development in Dementia." American Society for Clinical Laboratory Science. Pensacola, Florida. September 27, 2019.

**Guttmann, R.P.** "Using Phage-display to identify tau pathology in Alzheimer's Disease." Florida Health Alzheimer's Disease Awareness Symposium. Orlando, Florida. June 7, 2018.

**Guttmann, R.P.** "Positively Aging: The Psychobiology of Successful Aging." Northwest Florida Area Agency on Aging, Regional Training Symposium. May 20, 2016.

**Guttmann, R.P.** "Considerations for a Compassionate Conversation." Keynote address. Covenant Hospice, End-of-Life Conference. Pensacola, Florida. July 29, 2015.

**Guttmann, R.P.** "Building Resilient Communities to Protect Older Adults." Stopping Abuse, Assault, and Violence – Identification and Prevention Conference. Poarch Band of Creek Indians. Atmore, Alabama. May 2013

**Guttmann, R.P.** "Multidisciplinary strategies for the prevention and treatment of frailty." 5th International Forum of Sports for All (IFSA), Xian, China. Oct. 2012

**Guttmann, R.P.** Keynote address, "Clinical Trials in Alzheimer's disease." Alzheimer's Association, Meridian, Mississippi. Oct. 2012.

**Guttmann, R.P.** "Accumulation of Inequality at the Cellular Level and Risk Modulation of Alzheimer's Disease." Gerontological Society of America. Nov. 2010.

**Guttmann, R.P.** "Redox Regulation of cysteine-dependent enzymes." Joint annual meeting of the American Dairy Science Association, Canadian Society of Animal Science, and American Society of Animal Science. Jul. 2009.

**Guttmann, R.P.** "Guide to better poster presentations." University of Kentucky, College of Medicine, Postdoctoral Advisory Committee. Nov. 2008.

**Guttmann, R.P.** "Use of Phage-display to identify protein-protein interactions." University of Kentucky, College of Medicine. Oct. 2008.

**Guttmann, R.P.** "Calpain and identification of inhibitors." FASEB Summer Research Conference. Snowmass, CO. Jul. 2007.

**Guttmann, R.P.** "Regulation of cysteine proteases in neurodegeneration." University of Kentucky, College of Medicine. Lexington, KY. Jan. 2007.

**Guttmann, R.P.** "Guide to Grant Writing Workshop." University of Kentucky, Sponsored Program Development. Lexington, KY. Oct. 2004.

**Guttmann, R.P.** "Careers in Aging Research." University of Kentucky, School of Public Health. Lexington, KY. Apr. 2004.

**Guttmann, R.P.** "Oxidation of thiol-dependent enzymes in Alzheimer's disease." University of Kentucky, Sanders-Brown Center on Aging. Lexington, KY. Dec. 2003.

**Guttmann, R.P.** "Guide to Grant Writing Workshop." University of Kentucky, Sponsored Program Development. Lexington, Kentucky. Oct. 2003.

**Guttmann, R.P.** "Careers in Academia." University of Alabama at Birmingham, Graduate School. Birmingham, AL, Sept. 2002.

**Guttmann, R.P.** "Impact of cysteine oxidation in cell death." University of Alabama at Birmingham Department of Pharmacology. Birmingham, Alabama. Sept. 2002.

**Guttmann, R.P.** "Regulation of the NMDA receptor by calpain." University of Pennsylvania, Department of Pharmacology, Alavi-Dabiri Research Council. Philadelphia, PA. Jun. 1999.

**Guttmann, R.P.** "Oxidative inactivation of calpain," Philadelphia, PA. Children's Hospital of Philadelphia, Philadelphia, PA. Apr. 1998.

**Guttmann, R.P.** "Calpain and Alzheimer's disease," University of Alabama at Birmingham, Graduate School. Birmingham, Alabama. Sept. 1997

## COMMUNITY OUTREACH PRESENTATIONS AND ARTICLES

**Guttmann, R.P.** Biomarkers in Alzheimer's Disease. UWF Leisure Learners. Pensacola, Florida. October 23, 2026.

**Guttmann, R.P.** Current Research in Alzheimer's Disease. UWF Leisure Learners. Pensacola, Florida. September 8, 2026.

**Guttmann, R.P.** Biomarkers and Current Research in Alzheimer's Disease. UWF Leisure Learners. Pensacola, Florida. January 18, 2026.

**Guttmann, R.P.** Update on Biomarkers and Current Research in Alzheimer's Disease. Azalea Trace, Pensacola, Florida. November 17, 2025.

**Guttmann, R.P.** Breakthroughs in Alzheimer's Research. Five Flags Rotary Club. Pensacola, Florida. Feb. 3, 2025.

**Guttmann, R.P.** Unlocking Hope: The Latest Breakthroughs in Alzheimer's Research and Care. First United Methodist Church. Pensacola, Florida. Sept. 19, 2024.

**Guttmann, R.P.** Unlocking Hope: The Dementia Force Awakens. Invited speaker to senior professionals group and community leaders, Pensacola, FL. Sept. 15, 2024.

**Guttmann, R.P.** Aging and Dementia. Merrill Lynch. Pensacola, Florida. Feb 27, 2024.

**Guttmann, R.P.** Insights on Aging and Alzheimer's disease for nursing students. Alzheimer's Association. Pensacola, Florida. June 20, 2023.

**Guttmann, R.P.** "Biomarkers in Alzheimer's Disease". Leisure Learning UWF, Pensacola, Fl. February 20, 2023.

**Guttmann, R.P.** Weekly sponsored one-minute radio public service announcement, "The Senior Moment." NPR Public Radio Station, WUWF 88.1FM. 2011-2022, Pensacola, Florida.

**Guttmann, R.P.** "Clinical trials Alzheimer's Disease: an update for 2021" Dementia Education Forum. Pensacola, Fl. April 14, 2021 (sponsor: Home Care Solutions).

**Guttmann, R.P.** "Biomarkers in Alzheimer's disease." Dementia Education Forum. Pensacola, Fl. January 12, 2021 (sponsor: Home Care Solutions).

**Guttmann, R.P.** "Updates on A.D. research in 2020". Leisure Learning UWF, Pensacola, Fl. November 9, 2020.

**Guttmann, R.P.** "A Peek Behind the Dementia Curtain." Dementia panel discussion. Nativity Catholic Church. Pensacola, Fl. September 30, 2019.

**Guttmann, R.P.** "Current Research on Delaying and Defeating Dementia." Sacred Heart Senior Spirit Healthy Living Series, Pensacola, Fl. August 21, 2019.

**Guttmann, R.P.** "Clinical trials and early detection strategies in Alzheimer's Disease." Azalea Trace, Pensacola, Fl. August 9, 2019.

**Guttmann, R.P.** "Research and caregiver symposium: Clinical Trials in Dementia." Alzheimer's Association, Pensacola, Fl. March 20, 2019.

**Guttmann, R.P.** "Moving Medicine Forward with Clinical Trials in Dementia." YourLife of Pensacola Memory Care, Pensacola, Fl. March 7, 2019.

**Guttmann, R.P.** "Moving Medicine Forward with Clinical Trials in Dementia." YourLife of Pensacola Memory Care, Pensacola, Fl. February 28, 2019.

**Guttmann, R.P.** "Modern Aging and Living Free from Dementia." Masonic Lodge Education Series, Pensacola, Fl. February 12, 2019.

**Guttmann, R.P.** "Alzheimer's Disease Awareness Month Interview." Navarre Free Press, Navarre, Fl. June 2018.

**Guttmann, R.P.** "Alzheimer's Disease: A Personal and Scientific Perspective." Interview on inStudio with Jeff Weeks, WSRE TV. May 2018.

**Guttmann, R.P.** "Alzheimer's Disease Clinical Trials." Clarity Pointe Memory Care, Pensacola, Fl. February 22, 2018.

**Guttmann, R.P.** "New clinical research in Alzheimer's Disease." Leisure Timers. First Baptist Church of Pensacola, Pensacola, Fl. January 16, 2018.

**Guttmann, R.P.** "Clinical Trials in Alzheimer's Disease." Leisure Learning UWF, Pensacola, Fl. November 13, 2017.

**Guttmann, R.P.** "Understanding Dementia." Area Agency on Aging, Pensacola, Fl. October 19, 2017.

**Guttmann, R.P.** "Aging in Northwest Florida." Milton Quilt Guild, Milton, Fl. October 8, 2017.

**Guttmann, R.P.** "Alzheimer's disease and our community." Panhandle Tiger Bay Club, Pensacola, Fl. June 16, 2017.

**Guttmann, R.P.** "How to reduce your risk of A.D.." Clarity Pointe Memory Care, Pensacola, Fl. May 18, 2017.

**Guttmann, R.P.** "Current and future trends in Dementia Care." Sacred Heart Hospital, Continuing Education. Pensacola, Fl. January 19, 2017.

**Guttmann, R.P.** "Live Long and Prosper: Aging in the 21st Century". Leisure Timers. First Baptist Church of Pensacola, Pensacola, Fl. November 11, 2016

**Guttmann, R.P.** "Health Focus: Preventing Falls for Seniors." YMCA Newsletter, Pensacola, Fl. http://www.ymcanwfl.org/newsletter, May 2016

**Guttmann, R.P.** "Making your business dementia-friendly." Council on Aging, May 26, 2016. Escambia County, Florida.

**Guttmann, R.P.** "Making your business dementia-friendly." Perdido Bay Chamber of Commerce. March 2016 Perdido Bay, Florida.

**Guttmann, R.P.** "Home Health assessment for Patients with Dementia and their Caregivers." Aging Insights Seminar Series for Leisure Learning. March 2, 2016. Pensacola, Florida.

**Guttmann, R.P.** "The Top Ten Activities for Healthy Aging: Mind, Body, and Spirit." Senior Adult Ministry Team of Resurrection Lutheran Church. February 3, 2016. Perdido Bay, Florida.

**Guttmann, R.P.** "Making your business Dementia Friendly Training Program." Home Instead. February 2, 2016. Pensacola, Florida.

**Guttmann, R.P.** "Alzheimer's disease and other dementias." Senior Alliance Education Series. February 2, 2016. Pensacola, Florida

**Guttmann, R.P.** "Clinical Trials in Alzheimer's Disease." Aging Insights Seminar Series for Leisure Learning. January 20, 2016. Pensacola, Florida.

**Guttmann, R.P.** "Strategies for the Alzheimer's Caregiver." TEDMED at Wahoo Stadium, presented by Baptist Health Care. November 20, 2015. Pensacola, Florida.

**Guttmann, R.P.** and LeBlanc, B. "Strategies for Interacting with dementia as a First Responder." Crisis Intervention Team Training program for law enforcement. November 19, 2015. Center for Continuing Education, University of South Alabama. Mobile, Alabama.

**Guttmann, R.P.** "Bridging the Gap in an intergenerational workforce." 5th Annual Employee Relations Symposium. University of West Florida. November 17, 2015.

**Guttmann, R.P.** "Rising to the Challenge to Defeat Alzheimer's Disease." November 4, 2015. Covenant Alzheimer Services/UWF Center on Aging. Pensacola, Florida.

**Guttmann, R.P**., and LeBlanc. B. "Living with Early Onset Alzheimer's disease." 2015 Generational Resilience Conference "Survive and Thrive," Mobile AL. Oct. 2015

**Guttmann, R.P.** "UWF Center on Aging." August 27, 2015. Pace Rotary Club. Pace, Florida.

**Guttmann, R.P.** "Top 10 Successful Aging Strategies". August 18, 2015. Bob Hope Village (Air Force Enlisted Village, Inc). Shalimar, Florida.

**Guttmann, R.P.** "Epigenetics and Smokin' Grandma." February 26, 2015. Leisure Learning Society, UWF. Pensacola, Florida.

**Guttmann, R.P.** "The 10 Habits of a Healthy Brain". February 24, 2015. Pacifica Senior Living Creekside. Pensacola, Florida.

**Guttmann, R.P.** "Aging and Alzheimer's Disease research at UWF." November 12, 2014. Gulf Isle Neighbors Community Group. Pensacola, Florida.

**Guttmann, R.P.** "Aging Seminar Series at UWF Center on Aging." October 20, 2014. ARGO NEWS, UWF. Pensacola, Florida.

**Guttmann, R.P.** "Trends in Aging Medicine." September 19, 2014. Medical Center Clinic. Gulf Breeze, Florida.

**Guttmann, R.P.** "Treatment myths and current research in Alzheimer's." September 11, 2014. Covenant Hospice (Alzheimer's Support Group). Milton, Florida.

**Guttmann, R.P.** "Current Controversies in Alzheimer's Disease - Tauists versus the βaptists." August Gulf Coast Science Café. August 18, 2014.

**Guttmann, R.P.** "Successful aging strategies." Milton Quilt Club. July 14, 2014. Milton, Florida.

**Guttmann, R.P.** "Art therapy with older adults." UWF Arts and Aging. May 21, 2014. Pensacola, Florida.

**Guttmann, R.P.** "Alzheimer's Disease: past, present, and future." Phi Delta Kappa annual meeting. March 27, 2014. Pensacola, Florida.

**Guttmann, R.P.** "What we have learned from Centenarians." Azalea Trace. March 6, 2014. Pensacola, Florida.

**Guttmann, R.P.** "Alzheimer's Disease Research at UWF." WUWF interview with Sandra Averhart. November 22, 2013.

**Guttmann, R.P.** "Communicating with Older Adults." September 18, 2013. Merrill Lynch, Pensacola, Florida.

**Guttmann, R.P.** "How to Age Well: Think. Adapt. Succeed." Summer Education Series 2013. Covenant Hospice. Pensacola, Florida. Jul. 2013.

**Guttmann, R.P.** "Successful Aging Strategies Across the Lifespan." University of West Florida. University Advancement Division. Pensacola, Florida. Jul. 2013.

**Guttmann, R.P.** "Art Therapy and Aging." June 7, 2013. University of West Florida

**Guttmann, R.P.** "Resiliency Across the Lifespan." June 4, 2013. Leisure Learning Society, University of West Florida

**Guttmann, R.P.** "Positively Aging." May 23, 2013. Azalea Trace Retirement Community, Pensacola, Florida

**Guttmann, R.P.** "The Future in Aging and Alzheimer's Disease." May 13, 2013. Escarosa Dental Society. Pensacola, Florida

**Guttmann, R.P.** "From Neurons to Society: The Impacts of Dementia on Us All." Apr. 2, 9, and 16, 2013. Leisure Learning Society, University of West Florida**.**

**Guttmann, R.P**. "Myths, Allegations and Things Left Unsaid about Alzheimer's disease." Covenant Hospice/Alzheimer's Family Services. Pensacola, Florida. Feb. 2013.

**Guttmann, R.P.** "The Diabetes / Dementia Connection." Pacifica Senior Living Creekside. February 21, 2013. Pensacola, Florida.

**Guttmann, R.P.** "UWF's Center on Aging. " West Florida Hospital. January 22, 2013. Pensacola, Florida.

**Guttmann, R.P.** "Understanding Alzheimer's disease" BayRidge at Westminster Village. January 27, 2013. Spanish Fort, Alabama.

**Guttmann, R.P.** "Alzheimer's Disease and current clinical trials." December 6, 2012. Pacifica Senior Living Creekside. Pensacola, Florida.

**Guttmann, R.P.** "Health, Aging and Alzheimer's Disease." November 9, 2012. Westwood Men's Breakfast. Fort Walton Beach.

**Guttmann, R.P.** "Alzheimer's disease and dementia." Sept. 19th, 26, and October 3, 2012. Leisure Learning Society, University of West Florida.

**Guttmann, R.P.** "Aging and Alzheimer's Disease." August 14, 2012. Alzheimer's Family Services. October 5, 2012. Pensacola, Florida.

**Guttmann, R.P.** "Successful Aging and You." July 2 and 9, 2012. Leisure Learning Society, University of West Florida.

**Guttmann, R.P.** "Current trends in Alzheimer's disease research." Covenant Hospice. Jun. 2012.

**Guttmann, R.P.** "The coming of age in aging research." Area Agency on Aging (Area 1). May 2012.

**Guttmann, R.P.** "Guide to better poster presentations." University of Kentucky, College of Medicine, Postdoctoral Advisory Committee. Nov. 2010.

**Guttmann, R.P.** "Guide to better poster presentations." University of Kentucky, College of Medicine, Postdoctoral Advisory Committee. Nov. 2009.

**Guttmann, R.P.** "Oxidative-regulation of thiol proteases," University of Kentucky. Sanders-Brown

Center on Aging. Lexington, KY. Oct. 2001.

## COMMUNITY INTERVIEWS

**Guttmann, R.P.** "Vascular Dementia and Aging." WUWF, Interview with Sandra Averhart, Aug. 2019.

**Guttmann, R.P.,** LeBlanc, B., and Robello, S. "Clinical Trials and Alzheimer's Disease." BLAB TV/Rolling with Madrina. Dec. 2018.

**Guttmann, R.P.** "Update on Alzheimer's disease research with Sandra Averhart." NPR Public Radio Station, WUWF 88.1FM. Pensacola, Fl. April 2018.

**Guttmann, R.P.** "Consciousness and Alzheimer's disease." WUWF, Interview with Sandra Averhart, Nov. 2017.

**Guttmann, R.P.** "Early Onset Alzheimer's." Council on Aging, Coming of Age T.V. Aired on October 25, 2017, and online.

**Guttmann, R.P.** "An Aging Florida." Ballinger Publishing. http://www.ballingerpublishing.com/an-aging-florida/. Spring. 2016

**Guttmann, R.P.** "Winning with Annalee." BLAB TV-Mainstay Financial-Annalee Leonard interview with Dr. Guttmann. June. 2016. (online).

**Guttmann, R.P.** and LeBlanc, B. "Living with Early Onset Alzheimer's Disease." WUWF Special Series. Nov. 2015.

**Guttmann, R.P.** "Healthy minds, Healthy bodies." October 21, 2014. Cat Country 1620 AM. Hosted by Annalee Leonard. Pensacola, Florida.

**Guttmann, R.P.** "Conversations with Jeff Weeks." Television interview. Aired Sept. 26, 27, 29, 2013, and online. WSRE. Pensacola, Florida.

**Guttmann, R.P.** "Resiliency in Aging." March 19, 2013. Cat Country 1620 AM. Hosted by Annalee Leonard/ Dan Morris. Pensacola, Fl.

**Guttmann, R.P.** "Educating about Aging." November 13, 2012. Cat Country 1620 AM. Hosted by Annalee Leonard/ Dan Morris. Pensacola, Florida.

**Guttmann, R.P.** "Elder Abuse and Elder Justice." May 17, 2012. Cat Country 1620 AM. Hosted by Annalee Leonard/ Dan Morris. Pensacola, Florida.

## SUPERVISED STUDENT AWARDS

| | |
|---|---|
| D'Juan Wimberly | Summer Undergraduate Research Program. $3,000. Summer 2025 |
| Bryley Lyublanovits | Summer Undergraduate Research Program. $2,000. Summer 2025 |
| Alayna Kliche | Summer Undergraduate Research Program. $2,000. Summer 2025 |
| Carly Goodman | Summer Undergraduate Research Program. $3,000. Summer 2025 |
| Joseph Flannigan | Summer Undergraduate Research Program. $2,000. Summer 2025 |
| Calypsa Coarsey | Summer Undergraduate Research Program. $3,000. Summer 2025 |
| Bonnie Bruner | Summer Undergraduate Research Program. $3,000. Summer 2025 |
| Caleb Hanners | Summer Undergraduate Research Program. $500. Summer 2025 |
| Sean Bacon | Summer Undergraduate Foundations (SURF). $500. Summer 2025 |
| Bonnie Bruner | Summer Undergraduate Research Program. $2500. Summer 2024 |
| Caleb Hanners | Summer Undergraduate Research Program. $500. Summer 2024 |
| Emily Ramsden | Summer Undergraduate Research Program. $2500. Summer 2024 |
| Bonnie Bruner | National Conference on Undergraduate Research Summer 2024 (NCUR). $500 |
| T'Yanna Williams | OUR Project Award, Cycle 1, 2024/2025. $500 |
| Calypsa Coarsey | OUR Works! 2024/2025. Federal Work Study |
| Bonnie Bruner | OUR award, Fall/Spring 2023/2024. $500 |
| Zina Yousef | OUR award, Fall/Spring 2023/2024. $500 |
| Bryley Lyublanovits | OUR award, Fall/Spring 2023/2024. $500 |
| Maddy Scott | Kugelman Honors Thesis. $2,600. Fall 2023-Spring 2024. |

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|---|---|
| Maddy Scott | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Daniel Neidigk | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Lauren Kemp | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Lexie Tremaine | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Samantha MacFarland | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Joey Peterson | Summer Undergraduate Research Program. $2500. Summer 2023 |
| Sydney Truax | OUR award, Fall/Spring 2022/2023. $500 |
| Brennen Lewis | OUR award, Fall/Spring 2022/2023. $500 |
| Maddy Scott | OUR award, Fall/Spring 2022/2023. $500 |
| Daniel Neidigk | OUR award, Fall/Spring 2022/2023. $500 |
| Lauren Kemp | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Janiya Belyeu | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Sydney Truax | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Allie Linkous | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Maddy Scott | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Daniel Neidigk | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Abby Williamson, | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Liz McConnell | SURP, Summer Undergraduate Research Program. $2500. Summer 2022 |
| Isabel Holland | Kugelman Honors Thesis. $500. Spring 2022 |
| Stephanie Jones | Kugelman Honors Thesis. $350. Fall/2021-Spring 2022 |
| Stephanie Jones and Brennen Lewis | OUR award Fall/Spring 2021/2022. $500 |
| Allie Linkous and Maddy Scott | OUR award Fall/Spring 2021/2022. $750 |
| Sydney Truax | OUR award Fall/Spring 2021/2022. $500 |
| Dhanvi Patel | OUR award Fall/Spring 2021/2022. $750 |
| Sydney Truax | Summer Undergraduate Research Program. $2000. Summer 2021 |
| Maddy Scott | Summer Undergraduate Research Program. $2000. Summer 2021 |
| Allie Linkous | Summer Undergraduate Research Program. $2000. Summer 2021 |
| Dhanvi Patel | Summer Undergraduate Research Program. $2000. Summer 2021 |
| Daniel Neidigk | Summer Undergraduate Research Program. Summer 2021 |
| Allie Linkous | UWF OUR FYRE award. $1000. Spring 2021 |
| Dhanvi Patel | UWF OUR research award, $750. Spring 2021 |
| Stephanie Jones and Abby Williamson | OUR research award. $750. Fall 2020 |

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|---|---|
| Peyton Sims | UWF OUR research award $500. Fall 2020 |
| Patrick Lurk and Nicholas Ludergnani | UWF OUR research award $750. Fall 2020 |
| Delaney Borrelli | UWF OUR research award $500. Fall 2020 |
| Patrick Lurk | UWF OUR Scholar. $2000. Spring 2020 |
| Isabel Holland | Summer Undergraduate Research Program. $2000. Summer 2020 |
| Delaney Borrelli | Summer Undergraduate Research Program. $2000. Summer 2020 |
| Peyton Sims | Summer Undergraduate Research Program. $2000. Summer 2020 |
| Stephanie Jones | Summer Undergraduate Research Program. $2000. Summer 2020 |
| Patrick Lurk | Summer Undergraduate Research Program. $2000. Summer 2020 |
| Chris Bijou and Dhanvi Patel | UWF OUR research award. $750. Fall 2019 |
| Savannah Snider and Isabel Holland | UWF OUR research award. $750. Fall 2019 |
| Victoria Odom and Victoria Drake | UWF OUR research award. $750. Fall 2019 |
| Emily Summers and Elizabeth McDowell and Danielle Frasier and Matt Hayslip | UWF Summer Undergraduate Research Program. $2,500 (Summer 2019) Fifth place. Elevator Pitch, College of Business, University of West Florida (2019) |
| Josh Cook | UWF Summer Undergraduate Research Program. $2,500 (Summer 2018) |
| Elizabeth McDowell and Emily Summers and Olivia Brock and Matt Hayslip | UWF SURP Explorer Program. $2,500 (Summer 2018) Third Place. Elevator Pitch, College of Business University of West Florida (2018) |
| Olivia Brock | UWF Summer Undergraduate Research Program. $2,500 (Summer 2017) |
| T'Kara Mullins | UWF Summer Undergraduate Research Program. $2,500 (Summer 2015) |
| T'Kara Mullins | First Place. Undergraduate Poster. UWF Student Scholars Symposium (Spring 2015) |

## UNIVERSITY TEACHING

### Course Development and Instruction

*University of West Florida*

PCB3103L Cell Biology Lab (Course Developer/Course Instructor). Designated as High Impact Practice in Spring 2024. Undergraduate Course.

PCB3103 Cell Biology (Online - Course Developer/Instructor). Undergraduate Course

BSC4905 Molecular Neuropharmacology. Directed study. (Course Developer/Course Instructor).

BCH3033 Biochemistry I (Online – Course Developer/Instructor). Undergraduate Course

BSC4028 Fundamentals of Pharmacology. (Online – Course Developer/Instructor). Undergraduate Course

BSC5873 Fundamentals of Pharmacology. (Online – Course Developer/Instructor). Graduate Course.

PCB3103 Cell Biology (Course Instructor). Undergraduate Course.

HSC3147 Pharmacology for Health Professionals. (Online – Course Developer/Instructor). Undergraduate Course.

PCB3097L Introduction to Human Anatomy Laboratory (Course Instructor). Undergraduate Course.

BSC2010 Biology I (Course Instructor). Undergraduate Course. Course developed with a new textbook

PCB4098L Concepts in Human Physiology Lab (Course Instructor). Undergraduate Course.

EXP6085 Seminar in Applied Psychology. Course Director. Graduate Course

PSB5990 Psychopharmacology. Developer/Course Director. Graduate Course

PSY 3215 Research Methods II. Course Director. Undergraduate Course.

DEP 4410 Adulthood and Aging (Online – with Tamara Powell). Developed course. Undergraduate Course.

PSY6217 Research Design in Psychology. Course Developer/Instructor. Graduate Course

PSB 4002 Brain, Behavior, and Experience. Course Developer/Instructor. Undergraduate Course

PSB 4990 Psychobiology of Aging. Developer/Instructor. Undergraduate Course.

DEP 4410. Adulthood and Aging. Course Developer/Instructor. Undergraduate Course.

*University of Kentucky*

PGY 630-003 Cellular and Molecular Mechanisms of Aging. Developer / Co-Course Director. Graduate Course

GRN 781 Student Development Practicum. Developer and Course Instructor. Graduate Course.

GRN 650 Research Design in Gerontology. University of Kentucky. Co-course-director/ Instructor (2009). Graduate Course.

GRN 700, Current topics in Brain Aging. University of Kentucky. Course director. Developer and Instructor. Graduate Course.

Gerontology graduate student seminar series. University of Kentucky. Developer /Coordinator/ Instructor. Graduate Course. (Changed to GRN 781 in 2008).

Physiology graduate student seminar series. University of Kentucky. Developer / Coordinator/ Instructor. Graduate Course.

GRN 612, Biology of Aging. Feb. 2003 - 2011. Lecturer and co-course director, 2003-2005. Course director, 2006-2011. Graduate Course.

Guest Lecturer

*University of West Florida*

NUR 3145 Pharmacology, April 2012.

EXP 4204, Sensation and Perception. April 2012.

DEP 2004, Human Development Across the Lifespan. April 2012

*University of Kentucky*

OBI 651, Oral Biology II for Postgraduate, Feb. 2008-2011. Medical student Course

GRN 650, Methods in Gerontology. Sept. 2003 – 2007, 2009 Graduate Course.

GRN 600, A Study of the Older Person. Sept. 2003 – 2011. Graduate Course.

**Doctoral Dissertation Committee**

*University of West Florida*

Michael Kennedy, Ed.D. candidate. University of West Florida. (Fall 2017-2018).

Steven Satterfield, Ed.D. candidate, University of West Florida (Fall 2015-Spring 2023). (Graduated with Ed.D)

Rita Lucena, Ed.D. candidate, University of West Florida (Fall 2014-2019).

Karla Calliouet, Ed.D. candidate, University of West Florida (Summer 2014-Fall 2015). (Graduated with Ed.D)

Douglas Doidge, Ed.D. candidate, University of West Florida (Fall-Summer 2014).

Kim Hutchinson, Fielding Graduate University. 2012-2013, outside examiner. (Graduated with Ph.D.)

Doctoral Dissertation Advisor

*University of Kentucky*

Tiffanie Clinkinbeard, University of Kentucky, Dept. of Gerontology, Aug. 2008-Aug-2012. Chair/ completed degree with Dr. Karin High. (Currently Commissioning Document Administrator).

Diana Mathis, University of Kentucky, Dept. of Gerontology, Aug. 2006-May 2011. Graduated with Ph.D. Co-Chair. (Currently Proposal Development Officer at University of Kentucky).

**Doctoral Dissertation Committee**

*University of Kentucky*

Lori Reynolds, Department of Gerontology. Oct. 2010- May 2012. Graduated with Ph.D.

Nicole Etter, Rehabilitation Sciences. Feb. 2010-Aug. 2011

Tina Kruger, Department of Gerontology. May 2009-May 2011 Graduated with Ph.D.

Amanda Sokan, Department of Gerontology. Oct. 2009- May 2011 Graduated with Ph.D.

Fran Vorsky, Department of Gerontology. Sept. 2009-2011

Kathleen Schoch, Department of Physiology. Sept. 2009-2013. Graduated with Ph.D.

Chris Simmons, Department of Physiology. May 2009-May 2011 Graduated with Ph.D.

Zohn Centrimole, Department of Nursing, April 2009-2012

Courtney Ortz, Department of Gerontology, August 2008-July 2013 Graduated with Ph.D.

Erin James, Department of Physiology, Feb. 2008-Dec. 2008. Graduated with Ph.D.

Gong Chen, Department of Nutritional Sciences. August 2007-December 2007, outside examiner. Graduated with Ph.D.

Edward Chang, MD-Ph.D., Department of Microbiology and Immunology. March 2007-August 2012 (Graduated with MD-Ph.D.)

Scott Shaffer, Department of Rehabilitation Sciences. March 2007- May 2007. Graduated with Ph.D.

Keith Anderson, Department of Gerontology. March 2007-May 2007. Graduated with Ph.D.

Vidya Nukala, Dept. of Anatomy and Neurobiology. Jan 2006-May 2007, outside examiner. Graduated with Ph.D.

Erin Rutherford, Dept. of Anatomy and Neurobiology. Nov 2006-May 2007, outside examiner. Graduated with Ph.D.

Jennifer Marcum, Dept. of Microbiology and Immunology. May 2006-August 2006. (exited program 2006)

Yasemin Kaya-Congleton, Dept. of Microbiology and Immunology. 2005, outside examiner. Graduated with Ph.D.

Yu-Chin Lien, Dept. of Toxicology. 2005, outside examiner. Graduated with Ph.D.

Amanda Jo Baker, Dept. of Physiology. July 2004-Dec. 2008. Graduated with Ph.D.

Michelle Sama, Dept. of Pharmacology. June 2004-2007. Graduated with Ph.D.

Matthew Garcia, Dept. of Anatomy and Neurobiology. Mar. 2004- May 2007. Graduated with Ph.D.

George A. Day, Dept. of Gerontology. Mar. 2004-2006. (Mentor/Advisor). Graduated with M.S.

Josh Arnold, Dept. of Physiology. Mar. 2004-Dec 2004 Graduated with M.S.

Jeremy McIntyre, Dept. of Physiology. Oct. 2003-Nov. 2009. Graduated with Ph.D.

Maile Brown, Dept. of Gerontology. June 2002-Jan. 2004 Graduated with Ph.D.

Adrian McCollum, Dept. of Physiology. July 2001-August 2003. Graduated with Ph.D.

**Master's Thesis Chair**

*University of West Florida*

Kelvin Williamson, Biology graduate student. University of West Florida. Fall 2021-Summer 2023

Christina Kilpatrick, Biology graduate student. University of West Florida. Fall 2021-Summer 2023

Brandy Lockhart, Public Health graduate student. University of West Florida. Fall 2019-2021

Caitlan Webster, Psychology graduate student, University of West Florida (Fall 2015-Summer 2016), Graduated with M.A.

Samantha Rivera, Psychology graduate student, University of West Florida (2014-Summer 2016), Graduated with M.A.

Heather Bryson, Psychology graduate student, University of West Florida (2013-2016), Graduated with M.A. (Currently a Counselor at Century Correctional Institution)

Donal Harrison, Psychology graduate student, University of West Florida (2012-2013), Graduated with M.A. (Currently Programmer & Data Analyst for E.R. Express)

Alaina Raymor-Talboy, Psychology graduate student, University of West Florida (2012-2013), Graduated with M.A. (Received Ph.D. at the University of South Florida, self-employed author and researcher)

Jennifer Albesa, Psychology graduate student, University of West Florida (2011-2013), Graduated with M.A. (Currently a Case Manager at 90Works)

**Master's Thesis Chair**

*University of Kentucky*

George A. Day, University of Kentucky, Dept. of Gerontology. March 2004-2006. Graduated with M.S. May 2007

Jeremy Mathenia, University of Kentucky. (Graduated with M.S., May 2006) (Currently a Physician Assistant)

**Master's Thesis Committee**

*University of West Florida*

Sydney Rodell, Biology, University of West Florida, Committee member. (Fall 2026-present)

Kalob Cooper, Biology, University of West Florida, Committee member. (Fall 2026-present)

Chelsey Heenan, Biology, University of West Florida, Committee member. (Fall 2026-present)

Terelan Le, Biology, University of West Florida. Committee member. (Fall 2023-Summer 2025). Graduated with M.S.

Lindsay Guyette, Biology, University of West Florida. Committee member. (Fall 2023-Spring 2025). Graduated with M.S.

Emily Jobbs, Biology, University of West Florida (Spring 2019-Summer 2021). Graduated with M.S.

Hans Shroeder, Biology, University of West Florida (Spring 2018-Summer 2019). Graduated with M.S.

Adam Stroupe, Biology, University of West Florida (Fall 2016-Summer 2018). Graduated with M.S.

John Duany, Psychology graduate student, University of West Florida (Spring 2016-Fall 2017). Graduated with M.A..

Gary Graves, Psychology, University of West Florida (2013-2014). Graduated with M.A.

Kimberly Chafin, Psychology, University of West Florida (2013-2014). Graduated with M.A. (Completed Ph.D. program).

Kat Guterman, Psychology, University of West Florida (2012-2013). Graduated with M.A.

Honors Thesis Mentorship

*University of West Florida*

Gabrielle Hopkins - 2026-in process

Madison Scott - Spring 2024 - Inhibition of Calpain by LSEAL

Alexa Schlobohm - Spring 2024 - Changing the Narrative: Microdosing Psilocybin is Clinically Impossible and Why Low-Dose Psilocybin Should Be Pursued

Daniel Neidigk - Fall 2023 - Experimental Evolution as A Cure for Alzheimer's Disease

Isabel Holland - Spring 2022 - Identifying Post-Translational Changes in Tau Using Phage Display Technique

Stephanie Jones - Spring 2022 - Selection and Confirmation of Phage toward Phosphorylated Tau Present in Blood and Cerebrospinal Fluid of Alzheimer's Disease Patients using Phage Display Libraries and RT-PCR Quantification

Peyton Sims - Spring 2021 - Using Phage to Detect Phospho-Tau at Position 217: The Utilization of PHD 7mer Libraries to Assess Human Cerebrospinal Fluid of Non-Demented and Alzheimer's Disease Subjects

Savannah Snider - Spring 2021 - Finding Biomarkers for Early Alzheimer's Detection: The Utilization of Phage Libraries to Assess Human Cerebrospinal Fluid of Non-Demented and Alzheimer's Disease Subjects

T'Kara Mullins – Summer 2015 - Reciprocity and the Likelihood to Accept Charity

**Master's Thesis Committee**

*University of Kentucky*

Kristen Hord, University of Kentucky, Physician Assistant Program, July 2010-2011.

Laura Stephens, University of Kentucky, Department of Physiology, IBS Program, September 2009. Graduated with M.S.

**Graduate Student Mentorship**

*University of West Florida*

Adam DiMercuiro, Biology, University of West Florida. Mentor (Directed Study, Spring, Summer 2018).

Joanna Shung, Biology, University of West Florida (Fall 2017). Mentor (Directed Study).

T'Kara Mullins, Psychology. University of West Florida. (Spring 2017-Summer 2017). Mentor. (Currently in Ph.D. program at UCF).

Ruthie Christie, Psychology. University of West Florida. (Spring 2015-Fall 2016). Mentor.

Yasmine Nabulsi, Psychology. University of West Florida. (Spring 2015-Spring 2016). Mentor.

Stephanie Reed, Communication Arts. University of West Florida. (Summer 2015-Spring 2016), Mentor.

Ethan Morris, Biology, University of West Florida. (Summer 2015-Fall 2015), Mentor. (Currently employed at KML Laboratories Inc).

Elizabeth O'Connor, Psychology. University of West Florida. (Spring 2015-Summer 2016). Mentor. (Currently self-employed as licensed mental health counselor).

Mary Augustitus, Aging Studies graduate student, University of West Florida (Spring 2015), Mentor. Directed Study

Katelyn Cleary, Psychology graduate student, University of West Florida (Spring 2014), Mentor. Directed Study. (Received Ph.D).

Lauren Clifford, Psychology graduate student, University of West Florida (Fall 2013-Spring 2015), Mentor.

Matthew Kanuck, Psychology graduate student, University of West Florida (Fall 2013-2015), Mentor. (Currently employed at Training Analyst, The ASTA Group, LLC).

Stuart Hibyan, Psychology graduate student, University of West Florida (2011-2012), Mentor. (Currently Psychometrist at Mind and Motion Developmental Centers).

Tamara Powell, Psychology graduate student, University of West Florida (2011-2013), Mentor. (Currently, owner and self-employed as licensed mental health counselor, Arya Therapy Services).

**Graduate Student Mentorship**

*University of Kentucky*

Jonathon Wagner, IBS graduate student, University of Kentucky, IBS Rotation (2007), Mentor.

Mary Kermicle, IBS graduate student, University of Kentucky, IBS Rotation (2007), Mentor.

Tina Kruger, Gerontology graduate student, University of Kentucky, Rotation (2007), Mentor. (Currently Associate Professor at Indiana State University).

Sonya Munk, Gerontology graduate student, University of Kentucky, Rotation (2006), Mentor. (Currently Associate Professor at Indiana University).

Jennifer Marcum, IBS graduate student, University of Kentucky, IBS Rotation (2005), Mentor. (Currently a Physician Assistant).

Laura Johnson, IBS graduate student, University of Kentucky, IBS Rotation (2004), Mentor.

Dong-Young Choi, IBS graduate student, University of Kentucky, IBS Rotation (2004), Mentor.

Amanda Jo Baker, IBS graduate student, University of Kentucky, IBS Rotation (2003), Mentor. (Currently Associate Professor, Somerset Community College).

Dan Ni, IBS graduate student, University of Kentucky, IBS Rotation (2003), Mentor.

Sadie Hebert, IBS graduate student, University of Kentucky, IBS Rotation (2003), Mentor. (Currently Research Project Specialist. Biology Teaching and Learning at University of Minnesota).

Kara Bottiggi, Gerontology graduate student, University of Kentucky, Rotation (2003), Mentor. (Currently Associate Professor at the University of Utah).

Katie Nikzad, Gerontology graduate student, University of Kentucky, Rotation (2003), Mentor. (Currently Assistant Professor at Northern Kentucky University)

Michelle Sama, IBS graduate student, University of Kentucky, IBS Rotation (2002), Mentor. (Currently faculty at Vermont Technical College).

Karrie Grear, IBS graduate student, University of Kentucky, IBS Rotation (2002), Mentor. (Currently a physician).

**Undergraduate Student Mentorship**

*University of West Florida*

David Frye, Fall 2026-present

Kallie Maal, Spring 2026-present

Gabrielle Hopkins, Spring 2026-present

Gia Najarro, Fall 2025-present
Cham Swift, Fall 2025-Spring 2026
Savannah Bonnett, Fall 2025-present
Savannah Shaw, Fall 2025-present
Campbell Smith, Fall 2025-present
Sophie Mislevy, Summer 2025 (Union University)
Jacquelyn Guttmann, Summer 2025-present
Adrianna Quinlan, Summer 2025-present
Joseph Flannigan, Summer 2025-present
D'Juan Wimberly, Summer 2025
Alayna Kliche, Spring 2024-Spring 2026
Cameron Killingsworth, Fall 2024-present
Erick Martinez, Fall 2024-Summer 2025
Calypsa Coarsey, Fall 2024-present (OUR Works)
Carly Goodman, Fall 2024-present
Carli Carrillo, Summer 2024-present
Kayla Dunson, Summer 2024. (Boston College Summer Program)
Zina Yousef, Spring 2024-Spring 2025
Belle Fehr, Spring 2024-Summer 2024
Caleb Hanners, Spring 2024-Summer 2026
Amelia Atchinson, Spring 2024 (OUR Explorer)
Jordan Cole, Spring 2024 (OUR Explorer)
Emily Ramsden, Spring 2024-Summer 2024 (OUR Works!)
T'Yanna Williams, Fall 2023 (OUR FYRE)
Bryley Lyublanovits, Fall 2023-Summer 2026
Samantha MacFarland, Summer 2023
Lexie Tremaine, Summer 2023 (OUR Works!)
Cristina Gonzalez, Spring 2023-Spring 2024
Zach Morrison, Spring 2023 (OUR Explorer)
Martha Londoni, Spring 2023 (OUR Explorer)
McKenzie Simon, Spring 2023 (OUR Explorer)
Erica Kim, Fall 2022-Summer 2023
Bonnie Bruner, Fall 2022-Summer 2026, (OUR FYRE)
Liz McConnell, Summer 2022
Lauren Kemp, Summer 2022-Fall 2023

Janiya Belyeu, Summer 2022

Brennen Lewis, Summer 2021-Summer 2023. (Currently Ph.D student at University of Pennsylvania).

Maddy Scott, Summer 2021-Spring 2024

Sydney Truax, Summer 2021-Fall 2022. (Currently in P.A. program at FSU)

Daniel Neidigk, Summer 2021-Fall 2023 (Currently Ph.D. student UAB)

Joey Peterson, Summer 2022-Fall 2023 (Currently Ph.D. student at FSU)

Allie Linkous, Spring 2021-2024, (OUR FYRE)

Nicholas Ludergnani, Fall 2020-Fall 2021. (Currently in P.A. program at FSU)

Abby Williamson, Fall 2020-Summer 2022. (Currently in P.A. school at UAB).

Patrick Lurk, Biology, Summer 2020-Fall 2020. (Completed MPH from FSU, employed at Florida Department of Health)

Hailey Laczko, Biology. Spring 2020

Stephanie Jones, Biology. Spring 2020-Spring 2022 (Currently Ph.D student at University of Pennsylvania).

Peyton Sims, Biology. Spring 2020-Fall 2021 (Currently in Ph.D. program at Univ. of Kentucky).

Dhanvi Patel, Biology. Fall 2019-Spring 2022

Savannah Snider, Biology. Fall 2019-Spring 2021. (Currently in P.A. school, FSU).

Isabel Holland, Biology. Fall 2019-Spring 2022. (Currently in P.A. school, FSU)

Victoria Odom, Biology. Fall 2019

Victoria Drake, Chemistry. Fall 2019

Chris Bijou, Biology. Fall 2019. (Currently in a Ph.D. Program)

Luisa Mason, Spring 2019 (Anchor Down).

Danielle Frazier, Spring 2019 (Post-grad internship).

Delaney Borrelli, Biology, Summer 2019-Spring 2021. (Currently a graduate student)

Angela Castleberry, Summer 2019-Summer 2020.

Alex Slobodian, Biology, Spring 2019-Summer 2020.

Anthony Noll, Health Sciences. Fall 2018-Summer 2019. Clinical trial coordinator. (Currently in D.O. School, Dothan, Al)

Elizabeth McDowell, Biology. Summer 2018- Fall 2019 (SURP explorer/Summer 2018)

Emily Summers, Biology. Spring 2018-2020.

Josh Cook, Biology. Fall 2017-present (OUR explorer program); Clinical trial coordinator (Fall 2018-2020) (Employed at Andrews Institute and Graduate Student)

Matthew Hayslip, Biology. Spring 2017-Spring 2019.

Hannah Patterson, Biology. Fall 2018. (Directed Study).

Sarah Carrion, Biology. Summer 2018 (Directed Study).

Julia Dane, Biology. Summer 2018. Service Learning Project.

Eva Sapp, Social Work. Spring 2018-Fall 2018. Clinical Trial rotation student.

Meagan Howard, Social Work. Spring 2018. Clinical Trial rotation student.

Brandy Lockhart, Biology. Spring 2018.

Tim Hurst, Biology. Fall 2017.

Olivia Brock, Biology. Spring 2017-Summer 2018 (OUR explorer program).

Caitlin North, Psychology. Fall 2017-Summer 2017.

Benjamin Medeiros, Biology. Spring 2017-Summer 2017. Directed Study.

Megan Sweeney, Clinical Lab Sciences. Spring 2017.

Niccole Auld, Biology. Fall 2017. (OUR explorer program).

Emily Vaughan, Clinical Lab Sciences. Spring 2016-Summer 2016.

Aimee Phillips. Biology. Spring 2016. (OUR explorer program).

Jamie Droogsma, Psychology. Fall 2015. Service Learning.

Buu-Tran Duong. Biology. Fall 2015-Summer 2016.

Carson Adams. Psychology. Spring 2015. Service Learning.

Kelly Carlisle. Psychology. Spring 2015. Service Learning.

T'Kara Mullins. Psychology. Spring 2015. Honors Thesis.

Danielle Rominger, Psychology. Spring 2015. Service Learning.

Jesse Ruiz, Psychology. Summer 2014. Directed Study.

Matt Pardo, Psychology. Fall 2013/Spring 2014. Directed Study.

Tyler Cox, Psychology. Spring 2014, Summer, 2014. Directed Study.

Tyler Jones. Psychology. Spring 2014-Spring 2016 (Directed Study, Spring 2016). (Completed Medical School).

Lawrence Williamson, Psychology. Fall 2013. Directed Study. (Co-Director with Dr. Steve Linville).

Carly Williams, Psychology. Fall 2013. Service Learning.

Elliot McCully, Psychology. Fall 2013. Directed Study. (Currently a supervisor at Alorica)

Raquita Peasant, Psychology. May 2013-December 2013. Directed Study/Service Learning. (Current employed at Arbour Fuller Hospital)

Monica Hauck, Psychology. Spring 2013. Service Learning. (Currently Psychiatric Technician at Baptist Health Care)

Jessica Thurmond, Psychology. Spring 2013. Service Learning. (Currently Clinical Research Associate at Sarah Cannon Research Institute)

Tien Duong, Biology. 2013-2014. (Currently a Quality Assurance Specialist at the University of Maryland School of Medicine).

Preston Shishgal, Biology. 2013.

Kyle Harwell, Psychology. 2013-2015.

Matt Nalley, Chemistry. 2012-2015. (Currently a Lab Technician at UC Berkeley, Bachtrog Lab)

**Undergraduate Student Mentorship**

*University of Kentucky*

Andrew Mize. 2009-2010. (Currently a Quality Engineer Specialist for Toyota)

Xin Zhang, Nutritional Sciences. 2007.

Coady Kleinert, Arts, and Science. Summer 2005. (Currently a Registered Nurse)

Matthew Bacon, Agricultural Science, University of Kentucky, 2001-2004. (Currently a Medical Doctor)

**High School Student Mentorship**

*University of West Florida*

AJ Grant, Fall 2026 (Collegiate High School at Northwest Florida State College), Capstone mentor

Lukas Aung. Summer 2026 (Pensacola High School) NeuroNaut Scholar

Victoria Currier. Summer 2026 (Pensacola State College Charter Academy) NeuroNaut Scholar

Francesca Palewicz. Summer 2026 (Gulf Breeze High School) NeuroNaut Scholar

*University of Kentucky*

Stephen Steinmetz, 2010-2011. Dunbar High School. Lexington, KY. (Currently Software Development Engineer II at Amazon)

Andrei Terentiev, 2010-2011. Dunbar High School. Lexington, KY. (Currently iOS Engineer at Kyash Inc.)

Rahul Joseph, 2008-2010. Dunbar High School. Lexington, KY. (Graduate from Emory University School of Medicine, physician/pediatrician University of Kentucky).

## ACADEMIC ACTIVITIES

Journal Editor

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|---|---|
| 2006-2008 | Managing Editor, Frontiers in Bioscience |

**Grant Reviewer**

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|---|---|
| May 2026 | Ad hoc grant reviewer. Alzheimer's & Related Diseases Research Award Fund (Virginia Commonwealth) |
| May 2026 | Ad-hoc Reviewer, NIH |
| January 2026 | Ad-hoc Reviewer, NIH |
| Spring 2023 | Ad hoc grant reviewer. Alzheimer's & Related Diseases Research Award Fund (Virginia Commonwealth) |
| Feb. 2012 | Ad hoc grant reviewer, AAAS Research Competitiveness Program |
| Oct. 2011 | Ad hoc reviewer for University of Kentucky Cooperative Extension office |
| Feb. 2008 | Ad-hoc Reviewer, Research Project Grants, Health Research Board of Ireland |

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| Jan. 2008 | Ad-hoc Reviewer, Department of Defense, TBI panel |
| April 2007-2010 | Ad-hoc Reviewer, NIH |
| April 2007-2010 | American Heart Association, Biomedical Sciences II |
| May 2005-2010 | Ad-hoc reviewer, American Institute of Biological Sciences |
| March 2002 | U.S. VA Merit Review |

## DEPARTMENT, COLLEGE, AND UNIVERSITY SERVICE

**University of West Florida**

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|---|---|
| Spring 2024 | Faculty Search Committee chair, Department of Biology |
| Spring 2024 | University Personnel Committee |
| Fall 2023 | Faculty Promotion and Tenure Review Committee Chair (Biology Department) |
| Fall 2022-Spring 2023 | College of Health Dementia Research Workgroup |
| Fall 2022 | Faculty Promotion and Tenure Review Committee Chair (Biology Department) |
| Summer 2022-present | University Faculty Ombudsman |
| Fall 2021-Spring 2022 | Faculty Search Committee Chair, Department of Biology |
| Fall 2021-Spring 2022 | Department P &T workgroup Chair |
| Spring 2021-Fall 2021 | UWF ITS FACS workgroup (member) |
| Spring 2021 | Faculty Excellence in Teaching Award Committee |
| September 2019-February 2021 | Biology By-Laws Review Committee (Chair) |
| February 2019-June 2019 | Biology Program Assessment Work Group |
| January 2019-May 2019 | Anchor Down faculty mentor |
| January 2019-October 2019 | UWF Intellectual Property Work Group |
| January 2016-present | Office of Undergraduate Research Mentor |
| April 2018-June 2018 | Member, Nursing Faculty Search Committee |
| April 2017-June 2017 | Member, Nursing Faculty Search Committee |
| January 2017-April 2017 | Member, Biology Faculty Search Committee |
| May 2017-November 2017 | Member, Biology by-law Review Committee |
| May 2017-September 2017 | Member, Nursing Faculty Search Committee |
| March 2015-March 2016 | Member, Research Integrity Conference Steering Committee |
| August 2014-May 2016 | Chair (interim), Department of Public Health, Clinical and Health Sciences |
| May 2014-December 2015 | Graduate School Faculty Fellow |
| May 2014-January 2015 | Graduate Assistantship Research Taskforce (Chair) |
| May 2014-January 2016 | Graduate Student Association (Faculty Advisor) |

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| May 2014-May 2015 | UWF Student Scholars Symposium (Co-leader) |
| November 2014-July 2015 | Member, UWF Research Task Force |
| April 2014 | -June 2014 Chair, Program Review Committee, Clinical Lab Sciences |
| January 2014-May 2014 | Member, University Faculty Personnel Committee |
| December 2013-February 2014 | Chair, Program Review Committee, Haas Center |
| October 2013-April 2014 | Chair, Faculty Search Committee, Department of Psychology |
| May 2013-April 2016 | Member, Nursing Leadership Advisory Council |
| January 2013-May 2013 | Member, Nursing Faculty Search Committee |
| December 2012-November 2014 | Member, (Chair, 2013-2014) UWF Growth and Development Committee |
| August 2011-June 2016 | Director, Center on Aging |
| August 2011-July 2015 | Member, School of Psychological and Behavioral Sciences/Psychology Department Graduate Education Committee |
| August 2011-October 2014 | Member, School of Allied Health and Life Sciences Advisory Committee |

**University of Kentucky**

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|---|---|
| May 2009-May 2010 | Mentor for U.K. HealthCare Leadership Mentoring Program |
| May 2007-August 2011 | Donovan Scholarship in Gerontology Committee |
| 2002-2007 | IBS Graduate Program Student Interviewer, University of Kentucky |

**University of Kentucky**

**College of Public Health**

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|---|---|
| 2010-2011 | Member, Research Committee |
| 2009 | Member, Six-year review committee for Gerontology |
| 2008-2009 | Chair, Academic Affairs Committee |
| 2007-2011 | Member, Academic Affairs Committee |
| 2007 | Search committee member, Associate Dean of Admissions and Student Affairs |
| 2005-2007 | Member, Admissions and Student Affairs Committee |

**University of Kentucky**

**Graduate Center for Gerontology**

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|---|---|
| June 2009-2011 | Director of Graduate Certificate Program |
| July 2008-2011 | Director of Graduate Studies |
| July 2004-2011 | Member, Administrative Council |
| July 2004-July 2010 | Chair, Curriculum Committee |

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| November 2003-2011 | Member, Curriculum Committee |
| November 2003-2011 | Member, Recruitment Committee, Co-chair 2009-2011 |
| August 2003-July 2004 | Member, Steering Committee |
| September 2002-July 2004 | Member, Program Committee |
| September 2002-2007 | Member, Faculty Search Committee |

## BOARD ACTIVITIES

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|---|---|
| April 2024-present | Interim President and CEO, Covenant Health and Community Services |
| April 2025-present | Board Member, Covenant Health and Community Services |
| February 2021-Summer 2025 | Board Member, Council on Aging, Pensacola, Florida |
| January 2015-April 2024 | Board member, Covenant Health and Community Services (Vice-chair Executive Committee, August 2017-March 2021, Board Chair, March 2021-April 2024) |
| August 2015-May 2018 | Board Member, Florida Council on Aging (At large; Area 1 Representative, March 2016) |
| August 2013-July 2016 | Board Member, Foundation for Indigent Guardianship, Inc. State of Florida |
| February 2013-February 2017 | Board Member, West Florida Public Library Board of Governance. Escambia County selection (renewed for second term) |
| October 2012-January 2015 | Board Member, Alzheimer Family Services Advisory Board |
| September 2012-January 2015 | Board Member, Medical Center Clinic Advisory Board |

## OTHER ACTIVITIES

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|---|---|
| Fall 2021-Spring 2022 | NIH MARC Inclusive Mentoring Workshop, Faculty participant |
| June 2019-July 2019 | Completed UAB I-Corps Short-Course, University of Alabama at Birmingham. |
| February 2019 | Judge, Escambia County Regional Science Fair |
| April 2015-May 2017 | Member, Milton Senior Advisory Council, City of Milton, FL |
| January 2012 – June 2016 | Member, Adult Interagency Service Group |
| March 2012-March 2017 | Judge, Science Olympiad. University of West Florida |
| May 2013-June 2014 | Member, University of Alabama at Birmingham Geriatric Education Center Faculty Scholars Program |
| July 2013-June 2014 | Member, Leadership Pensacola. Pensacola Chamber of Commerce |
| January 2013-2015 | Alzheimer's Association Ambassador, Florida Panhandle Chapter |
| April 2012- April 2013 | Member, Functional Needs Service Leadership Committee |

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|---|---|
| March 2008-2011 | Judge, Central Kentucky Regional Science and Engineering Fair, Lexington, KY |
| Dec 2007-2011 | Postdoctoral Research Day Judge, University of Kentucky |
| July 2007-2011 | Member, Graduate Faculty, University of Kentucky |
| April 2007 | External Reviewer for proposed Ph.D. Program in Gerontology, Simon Fraser University, Burnaby, BC |
| 2006-2011 | Associate Member of the Spinal Cord and Brain Injury Research Center |
| 2006-2007 | Activities Coordinator – Bluegrass Chapter Society for Neuroscience, University of Kentucky |
| 2005- 2011 | Sigma Phi Omega – Gamma Mu Chapter, Faculty Co-advisor, University of Kentucky, |
| 2003-2011 | Cardiovascular Research Day Judge, Gill Heart Institute, University of Kentucky |
| 2001-2007 | Associate Member of Graduate Faculty, University of Kentucky |