

CURRICULUM VITA
Rodney P. Guttman, Ph.D.

PRESENT POSITIONS

Professor, Department of Biology
University of West Florida
Hal Marcus College of Science and Engineering

ADDRESS

Office
Rodney Guttman, 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.
- B.S. Florida State University, Tallahassee, FL, 1991. (Major: Chemistry)

ACADEMIC AWARDS

- 2022 UWF, OUR Faculty Excellence in Undergraduate Research Mentoring Award (Director's Choice)
- 2021 UWF, OUR Faculty Excellence in Undergraduate Research Mentoring Award Nominee
- 2019 UWF SGA Distinguished Teacher Award
- 2019 Finalist, 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

ACADEMIC EXPERIENCE

<u>Title</u>	<u>Date</u>	<u>Location</u>
Chair (interim)	Aug 2024-present	University of West Florida. Pensacola, Florida. Department of Biology
Professor	2011-present	University of West Florida, Pensacola, Florida
Director	2011-2016	University of West Florida, Pensacola, Florida Center on Aging

Chair (interim)	2014-2016	University of West Florida. Pensacola, Florida. 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
Postdoctoral Fellow	1998-2001	University of Pennsylvania Department of Pharmacology Philadelphia, Pennsylvania
Graduate Student (Ph.D.)	1991-1998	University of Alabama at Birmingham Department of Pharmacology Birmingham, Alabama

CLINICAL TRIAL EXPERIENCE

Principal Investigator	2017-2019	Triad Study (Avanir Pharmaceuticals) University of West Florida, Pensacola, Florida
Principal Investigator	2017-2020	Triad Extension Study (Avanir Pharmaceuticals) University of West Florida, Pensacola, Florida
Principal Investigator	2018-2020	Brexpirazole Study (Otsuka Pharmaceutical Development and Commercialization, Inc) University of West Florida, Pensacola, Florida

PATENTS

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

Inventor: Kraner, S.D., **Guttman, R.P.** and Norris, CM. 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 1R15AG066122-02 IDENTIFYING BIOMARKERS FOR THE EARLY DETECTION OF ALZHEIMER’S DISEASE USING PHAGE DISPLAY. NIA. (\$421,500). Principal Investigator (25% 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, A PLACEBO-CONTROLLED, 2-ARM, FIXED-DOSE TRIAL TO EVALUATE THE EFFICACY, SAFETY, AND TOLERABILITY OF BREXPIRAZOLE (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 1R15AG066122-01 IDENTIFYING BIOMARKERS FOR THE EARLY DETECTION OF ALZHEIMER'S DISEASE USING PHAGE DISPLAY. 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-PI, Co-PI Harry LeVine).
- 2007-2012 CALPAIN AS A THERAPEUTIC TARGET FOR TBI. NIH, NINDS. (\$5,500,000). (Core C, Proteomics and Biomarker Core. 25% effort. Core Leader.
- 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).

- 2006-2008 OXIDATION OF THIOL-PROTEASES IN ALZHEIMER'S DISEASE. NIH, NIA. (\$275,000). 33% effort. Principal Investigator.
- 2004-2009 MITOCHONDRIA, ROS, Ca^{2+} , AND CALPAIN IN THE AGING CNS. NIH, NIA. (\$11,000,000). P.I.: Phil Landfield. 3% effort. Co-project leader, Project 4.
- 2003-2007 DEVELOPMENT OF NOVEL CALPAIN PROTEASE INHIBITORS USING PHAGE-PEPTIDE DISPLAY. American Heart Association, Developing Scientist Grant. (\$240,000). 10% effort. Principal Investigator.
- 2004-2006 DEVELOPMENT OF NOVEL CALPAIN INHIBITORS USING PHAGE DISPLAY. NIH, NINDS. (\$250,000). 50% effort. Principal Investigator.
- 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.
- 2000-2001 MODULATION OF NMDA RECEPTOR ACTIVITY BY CALPAIN. NIH, NINDS, Individual National Research Service Grant Award. (\$75,000). 100% effort. Principal Investigator.
- 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., **Guttman, 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. (2024) In press.

Amin, R.A., Dunnam, J.A., and **Guttman, R.P.** A Surveillance study of Alzheimer's disease clusters in the contiguous USA (2011-2020). (2024) In preparation.

Neidigk, D.A., Linkous, A.N., and **Guttman, 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., **Guttman, R.**, 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., **Guttman, 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 **Guttman, 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 **Guttman, 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 **Guttman, 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 **Guttman, R.P.** A spatial study of quality of life in the USA. (2021) *S.N. Soc Sci* 1, 110.

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

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

Guttman, R.P., and Goshal, 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., **Guttman, 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 A β . *Aging Cell*. 10(1):103-13.

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

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

Chen, G, **Guttman, 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.

Guttman, 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 **Guttman, R.P.** Strategies for Calpain Inhibition Following CNS Trauma. *Indian Journal of Neurotrauma* (2006).

McCullum, A.T., Jafarifar, F, Lynn, B.C, Agu, R.U., Stinchcomb, A.L., Wang S, Chen, Q, and **Guttman, 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 **Guttman, 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 **Guttman, 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.

Guttman, 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, **Guttman, 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.

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

Simpkins, K., **Guttman, 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., **Guttman, 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., **Guttman, R.P.** and Siman, R. (2003) Crosstalk between calpain and caspase proteolytic systems during neuronal apoptosis. *Journal of Biological Chemistry*. 278(16):14162-7.

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

Guttman, 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 **Guttman, 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., **Guttman, 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., **Guttman, 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 Friedrach's ataxia and unusual clinical features. Journal of Neurology, Neurosurgery, and Psychiatry. 68:661-4.

Zhang, J-W., **Guttman, 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.

Guttman, 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., **Guttman, 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 **Guttman, R.P.** (1997) Calpain: Intact and Active? BioEssays. 19, 1011-1018.

Guttman, 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.

Guttman, 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.

WEB-BASED PUBLICATIONS (PEER-REVIEWED)

Guttman, 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>

Guttman, 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)

Guttman, 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.

Guttman, 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)

Guttman, 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, and **Guttman, R.P.** "Clinic Selection and Retention Summary Report." January 2015.

Rivera, S, and **Guttman, 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., **Guttman, 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

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

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

Bruner, B., and **Guttman, 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 **Guttman, 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 **Guttman, 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., 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 **Guttman, R.P.** Modulating Calpain Activity By LSEAL. Spring 2022. UWF OUR presentation.

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

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

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

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

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

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

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

Camelia, P., **Guttman, 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 **Guttman, 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 **Guttman, 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 **Guttman, 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 **Guttman, R.P.**, Phage-based biomarkers in Alzheimer's disease. (April 2018). Student Scholars Symposium, UWF.

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

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

Brock, O., Medeiros, B., and **Guttman, 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 **Guttman, 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 **Guttman, R.P.** Tau-based biomarker development for the early detection of Alzheimer's disease. (April 2017). Student Scholars Symposium, UWF.

Bryson, H. and **Guttman, 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 **Guttman, R. P.** Attitudes Toward Smoking in College Students. (Apr. 2016). Student Scholars Symposium, UWF.

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

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

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

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

Talbot, A. N., and **Guttman, 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 **Guttman, R.P.** Developing biomarkers for traumatic brain injury using phage display. (Nov. 2012). Neurotrauma.

Guttman, 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., **Guttman, 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 **Guttman, 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., **Guttman, R.P.**, Schmitt, F., and Zanjani, F. Responses to a Diagnosis of Mild Cognitive Impairment. *Gerontologist*. (Nov. 2012)

Harrison, D. F., Jordan, E. F., **Guttman, 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 **Guttman 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.

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

Kruger, T., **Guttman, 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 **Guttman, R.P.** Neo-epitope antibody production to monitor calpain activity. (Nov. 2010). Society for Neuroscience (354.8)

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

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

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

Clinkinbeard, T. and **Guttman, 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, Bacongus, IR.J.E, Gleichman, A. **Guttman, R.P.** Calpain mediated cleavage of NR2B. (Oct. 2007). Society for Neuroscience.

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

Guttman, 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.

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

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

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

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

Guttman, 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.F, Giasson, B.I., Norris, E.H., Hodara, R., **Guttman, 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.

Guttman, 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., **Guttman, 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., **Guttman, 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.

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

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

Guttman, 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., **Guttman, R.P.**, and Siman, R. Interaction of calpain and caspase proteolytic systems during neuronal apoptosis. (Nov. 2001). Society for Neuroscience.

Grant, E.R., **Guttman, 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.

Guttman, 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 **Guttman, 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.

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

Guttman, 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., **Guttman, 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 **Guttman, R.P.** Calcium-dependent proteolysis of the microtubule-associated protein tau: Modulation by site-specific phosphorylation. (Sept. 1996). *Journal of Neurochemistry*, 66:S74.

Guttman, 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.

Guttman, 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

Guttman, 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.

Guttman, 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.

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

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

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

Guttman, 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.

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

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

Guttman, 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

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

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

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

Guttman, 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

COMMUNITY OUTREACH PRESENTATIONS AND ARTICLES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Guttman, R.P. “Alzheimer’s Disease: A Personal and Scientific Perspective.” Interview on inStudio with Jeff Weeks, WSRE TV. May 2018.

Guttman, R.P. “Alzheimer’s Disease Clinical Trials.” Clarity Pointe Memory Care, Pensacola, Fl. Pensacola, Pensacola, Fl. February 22, 2018.

Guttman, R.P. “New clinical research in Alzheimer’s Disease.” Leisure Timers. First Baptist Church of Pensacola, Pensacola, Fl. January 16, 2018.

Guttman, R.P. “Clinical Trials in Alzheimer’s Disease.” Leisure Learning UWF, Pensacola, Fl. November 13, 2017.

Guttman, R.P. “Understanding Dementia.” Area Agency on Aging, Pensacola, Fl. October 19, 2017.

Guttman, R.P. “Aging in Northwest Florida.” Milton Quilt Guild, Milton, Fl. October 8, 2017.

Guttman, R.P. “Alzheimer’s disease and our community.” Panhandle Tiger Bay Club, Pensacola, Fl. June 16, 2017.

Guttman, R.P. “How to reduce your risk of A.D..” Clarity Pointe Memory Care, Pensacola, Fl. May 18, 2017.

Guttman, R.P. “Current and future trends in Dementia Care.” Sacred Heart Hospital, Continuing Education. Pensacola, Fl. January 19, 2017.

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

Guttman, R.P. “Health Focus: Preventing Falls for Seniors.” YMCA Newsletter, Pensacola, Fl. <http://www.ymcanwfl.org/newsletter>, May 2016

Guttman, R.P. “Making your business dementia-friendly.” Council on Aging, May 26, 2016. Escambia County, Florida.

Guttman, R.P. “Making your business dementia-friendly.” Perdido Bay Chamber of Commerce. March 2016 Perdido Bay, Florida.

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

Guttman, 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.

Guttman, R.P. “Making your business Dementia Friendly Training Program.” Home Instead. February 2, 2016. Pensacola, Florida.

Guttman, R.P. “Alzheimer’s disease and other dementias.” Senior Alliance Education Series. February 2, 2016. Pensacola, Florida

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

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

Guttman, 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Guttman, 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.

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

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

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

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

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

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

Guttman, R.P. “Alzheimer’s disease and dementia.” Sept. 19th, 26, and October 3, 2012. Leisure Learning Society, University of West Florida.

Guttman, R.P. “Aging and Alzheimer’s Disease.” August 14, 2012. Alzheimer’s Family Services. October 5, 2012. Pensacola, Florida.

Guttman, R.P. “Successful Aging and You.” July 2 and 9, 2012. Leisure Learning Society, University of West Florida.

Guttman, R.P. “Current trends in Alzheimer’s disease research.” Covenant Hospice. Jun. 2012.

Guttman, R.P. “The coming of age in aging research.” Area Agency on Aging (Area 1). May 2012.

Guttman, R.P. “Guide to better poster presentations.” University of Kentucky, College of Medicine, Postdoctoral Advisory Committee. Nov. 2010.

Guttman, R.P. “Guide to better poster presentations.” University of Kentucky, College of Medicine, Postdoctoral Advisory Committee. Nov. 2009.

Guttman, R.P. “Oxidative-regulation of thiol proteases,” University of Kentucky. Sanders-Brown Center on Aging. Lexington, KY. Oct. 2001.

COMMUNITY INTERVIEWS

Guttman, R.P. “Vascular Dementia and Aging.” WUWF, Interview with Sandra Averhart, Aug. 2019.

Guttman, R.P., LeBlanc, B., and Robello, S. “Clinical Trials and Alzheimer’s Disease.” BLAB TV/Rolling with Madrina. Dec. 2018.

Guttman, R.P. “Update on Alzheimer’s disease research with Sandra Averhart.” NPR Public Radio Station, WUWF 88.1FM. Pensacola, Fl. April 2018.

Guttman, R.P. “Consciousness and Alzheimer’s disease.” WUWF, Interview with Sandra Averhart, Nov. 2017.

Guttman, R.P. “Early Onset Alzheimer’s.” Council on Aging, Coming of Age T.V. Aired on October 25, 2017, and online.

Guttman, R.P. “An Aging Florida.” Ballinger Publishing. <http://www.ballingerpublishing.com/an-aging-florida/>. Spring. 2016

Guttman, R.P. “Winning with Annalee.” BLAB TV-Mainstay Financial-Annalee Leonard interview with Dr. Guttman. June. 2016. (online).

Guttman, R.P. and LeBlanc, B. “Living with Early Onset Alzheimer’s Disease.” WUWF Special Series. Nov. 2015.

Guttman, R.P. “Healthy minds, Healthy bodies.” October 21, 2014. Cat Country 1620 AM. Hosted by Annalee Leonard. Pensacola, Florida.

Guttman, R.P. “Conversations with Jeff Weeks.” Television interview. Aired Sept. 26, 27, 29, 2013, and online. WSRE. Pensacola, Florida.

Guttman, R.P. “Resiliency in Aging.” March 19, 2013. Cat Country 1620 AM. Hosted by Annalee Leonard/ Dan Morris. Pensacola, Fl.

Guttman, R.P. “Educating about Aging.” November 13, 2012. Cat Country 1620 AM. Hosted by Annalee Leonard/ Dan Morris. Pensacola, Florida.

Guttman, 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

Maddy Scott	Kugelman Honors Thesis. \$2,600. Fall 203-Spring 2024.
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/ Brennen Lewis	OUR award Fall/Spring 2021/2022. \$500
Allie Linkous/ 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/ Abby Williamson	OUR research award. \$750. Fall 2020

Peyton Sims	UWF OUR research award \$500. Fall 2020
Patrick Lurk/ 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/ Dhanvi Patel	UWF OUR research award. \$750. Fall 2019
Savannah Snider/ Isabel Holland	UWF OUR research award. \$750. Fall 2019
Victoria Odom/ Victoria Drake	UWF OUR research award. \$750. Fall 2019
Emily Summers	UWF Summer Undergraduate Research Program. \$2,500 (Summer 2019)
Elizabeth McDowell/ Danielle Frasier/ Matt Hayslip	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	UWF SURP Explorer Program. \$2,500 (Summer 2018)
Emily Summers/ Olivia Brock/ Matt Hayslip	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 Ortiz, 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

Terelan Le, Biology, University of West Florida. Committee member. (Fall 2023-present)

Lindsay Guyette, Biology, University of West Florida. Committee member. (Fall 2023-present)

Emily Robbs, 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

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 DiMercurio, 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, wwner 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 Gear, IBS graduate student, University of Kentucky, IBS Rotation (2002), Mentor. (Currently a physician).

Undergraduate Student Mentorship University of West Florida

Carli Carrillo, Summer 2024-present

Erick Martinez, Fall 2024-present

Calypsa Coarsey, Fall 2024-present (OUR Works)

Carly Goodman, Fall 2024-present

Zina Yousef, Spring 2024-present

Belle Fehr, Spring 2024-Summer 2024

Caleb Hanners, Spring 2024-present (Marc URise)
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-present (OUR FYRE)
Bryley Lyublanovits, Fall 2023-present
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-present,(OUR FYRE)
McConnell, Summer 2022
Lauren Kemp, Summer 2022-Fall 2023
Janiya Belyeu, Summer 2022
Brennen Lewis, Summer 2021-Summer 223
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
Joey Peterson, Summer 2022-Fall 2023
Allie Linkous, Spring 2021-present, (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 in Florida Department of Health)
Hailey Laczko, Biology. Spring 2020
Stephanie Jones, Biology. Spring 2020-Spring 2022 (Currently an NIH post-baccalaureate student).
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
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 at 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 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

2006-2008 Managing Editor, Frontiers in Bioscience

Grant Reviewer

Spring 2023 Ad hoc grant reviewer. Alzheimer's & Related Diseases Research Award Fund.

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

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

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
November 2017-May 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)
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

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

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

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

April 2024-present	Interim President and CEO, Covenant Care
February 2021-present	Board Member, Council on Aging, Pensacola, Florida
January 2015-April 2024	Board member, Covenant Care (Vice-chair Executive Committee, August 2017-March 2021, Board Chair, March 2021-present)
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

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
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