

CURRICULUM VITAE

Christopher Engeland, Ph.D., PNIRS President

Professor (Tenured)

Department of Biobehavioral Health (BBH)
229 Biobehavioral Health Building
The Pennsylvania State University (PSU)
University Park, PA 16802

Lab website: <https://sites.psu.edu/stressandimmunity/>
Phone (w): (814) 865-4694
FAX: (814) 863-7525
Cell: (312) 731-6967
Email: cge2@psu.edu

Research Overview: Broadly, I am interested in how stress, age, gender, and hormones affect immunity, inflammation, and health; also, the feasibility of diverse biomarkers for predicting health outcomes.

Research i) Stress, inflammation, biological aging, cognitive aging, and dementia risk (human)

Interests: ii) Effects of stress, age, sex & hormones on inflammation and wound healing (human, animal)

iii) Inflammation and mental health (e.g., depression, bipolar) (human)

iv) Inflammatory biomarkers & stress: Predictors of preterm birth & cardiovascular risk (human)

v) Salivary diagnostics and immunity (human)

ACADEMIC POSITIONS

Professor (tenured)	Biobehavioral Health (PSU)	2023 - Present
Joint Faculty Member	Ross & Carol Nese College of Nursing (PSU)	2013 - Present
Adjunct Faculty Member	Graduate Program for Neuroscience (PSU)	2013 - Present
Affiliate Faculty Member	Social Behavioral Neuroscience (PSU)	2019 - Present
Affiliate Faculty Member	Center of Geriatric Nursing Excellence (PSU)	2018 – Present
Affiliate Faculty Member	Center for Healthy Aging (PSU)	2016 - Present
Affiliate Faculty Member	Center for Wound Healing (UIC)	2008 - Present

Past Positions:

Associate Professor (tenured)	Biobehavioral Health (PSU)	2017 - 2023
Assistant Professor	Biobehavioral Health (PSU)	2013 - 2017
Assistant Professor	Periodontics (UIC)	2008 - 2014
Assistant Professor (Joint)	Women, Child, Family Health Science (UIC)	2012 - 2013
Assistant Professor (Adjunct)	Neuroscience Program (UIC)	2009 - 2013
Research Assistant Professor	Periodontics (UIC)	2005 - 2008

ACADEMIC HISTORY

Post-Doctoral Fellow, *University of Illinois at Chicago (UIC)* 2003-2005, *The Ohio State University (OSU)* 2002-2003, Advisor: Phillip Marucha, Ph.D., D.M.D.

Doctor of Philosophy, Neuroscience (2002)

University of Western Ontario (UWO) - London, Ontario, Canada

Advisors: Klaus-Peter Ossenkopp Ph.D., Martin Kavaliers Ph.D.

Thesis: Factors which modulate sickness expression and tolerance development following bacterial infection in rodents

Master of Science, Specialization in Neuroscience (1997)

Carleton University - Ottawa, Ontario, Canada; Advisor: Verner Knott Ph.D.

Thesis: Nicotine and the mismatch negativity in Alzheimer's disease

Bachelor of Science, High Honours in Psychology (1994)

Carleton University - Ottawa, Ontario, Canada; Advisor: Shelley Parlow Ph.D.

Thesis: A subclassification of left-handers into consistent and inconsistent classes and an analysis of performance on a 2:1 tapping apparatus

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ACTIVE RESEARCH GRANTS (Direct costs shown)

NIH 2 P01 AG003949 (Derby) 04/01/2022 – 03/31/2027 \$24,150,895
Einstein Aging Study - Renewal proposal for currently funded P01 (see Project & Core below)

1) P01 - Project Leader (Engeland, Graham-Engeland) \$2,536,683

Depression, inflammation, biological age, and cognitive function

This longitudinal study (5 annual data waves) will examine how depression, inflammation, and biological aging (telomere length, DNA methylation) interact to predict cognitive decline, mild cognitive impairment, and dementia (e.g., Alzheimer's disease) in 767 participants 60+ years of age in the Bronx, NY.

Role: Project Leader (Multiple), 25% effort

2) P01 - Core Leader (Engeland, Pavlovic) \$1,719,450

Biomarker Core

This core for the above P01 renewal oversees the following measures, analyses, and interpretation: plasma-based neurodegenerative biomarkers, blood autophagy, blood chemistry, genetics, and MRI.

Role: Core Leader (Multiple), 20% effort

NIH R21 AG066140-01 09/15/2019 – 05/31/2024 NCE \$275,000
(Knight, Engeland)

Sex hormones, inflammation, and cognitive decline in older men and women

This addition to an ongoing longitudinal study examines, across 3 annual data waves, how sex hormones in the elderly (testosterone, estrogen, estrone) relate to inflammation and predict cognitive decline, mild cognitive impairment, and ultimately dementia (e.g., Alzheimer's disease) in 600 participants 70-90 years of age in the Bronx, NY.

Role: PI (Multiple), 5% effort

NIH R01 HL153377-01 (Zilioli) 04/01/2021 – 03/31/2026 \$2,619,373

Stress, racism, and cardiovascular risk among urban African American adults: A multilevel, mixed methods approach (The Heart of Detroit Study)

Using a mixed methods approach, this study will identify the psychosocial stressors most salient to 500 middle-aged and older African Americans. We will model the daily psychological, behavioral and biological pathways through which stress can exacerbate cardiovascular disease (CVD) risk in this population.

Role: Co-I (PI at Penn State), 10-15% effort

NIH UF1 AG072619-01 (Gamaldo) 08/15/2021 – 07/31/2024 \$1,719,387

Psychosocial and neighborhood mechanisms and consequences of Black-White sleep disparities on cognition

This longitudinal study (6 biannual data waves; $n=320$) will model racial differences in the associations between sleep and cognitive functioning, while accounting for factors such as cumulative/life stress and inflammation. Risk for cognitive decline will be determined.

Role: Co-I, 15% effort

NIH NIA R03 AG081719-01 (Graham-Engeland) 04/01/2023 – 03/31/2025 \$100,000

The role of loneliness in cognitive decline and risk for dementia

This project will extend the ongoing Einstein Aging Study (EAS) P01 to examine how self-reported loneliness, via both retrospective report and ecological momentary assessment (EMA), relate to cognitive function and decline in older adults at cross-section and longitudinally.

Role: Co-I, 2.5% effort

NIH NIA R03 AG081565-01 (Harrington) 05/15/2023 – 01/31/2025 \$200,000

Prospective memory in everyday life: Lapses and decline in relation to inflammatory and neurodegenerative biomarkers in older adults

This project will extend the ongoing Einstein Aging Study (EAS) P01 to examine prospective memory lapses in association with biomarkers of inflammation and neurodegeneration, and the moderating role of

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gender.

Role: Co-I, 6-8% effort

NIH R03 DK13295951 (Kovacic) 06/01/2022 – 05/31/2024 \$150,000

Brain-gut-genome profiling in connective tissue disorder-related gastrointestinal dysfunction

Pilot study of brain-gut signaling, immune function and transcriptomics in a cohort of adolescents with connective tissue disorders and functional gastrointestinal complaints. Study includes detailed characterization of autonomic function and inflammatory profiles along with gastric motility using a novel gastric MRI protocol.

Role: Consultant

The Geroscience and Dementia Prevention Consortium – Penn State (Anirban)

A scalable patient to petri dish (P2P) initiative for investigating Alzheimer's Disease

This project aims to demonstrate the feasibility of building a "patient-to-petri dish" (P2P) pipeline to generate mixed tissue 3D organoids from Alzheimer's and Alzheimer's Disease Related Disorder patients for *ex vivo* assays and manipulation studies.

Role: Co-I

ACTIVE TRAINING AND CONSORTIUM GRANTS

NIH T32 AG049676-01 (Martire, Almeida) 2015 – Present

Psychosocial determinants and biological pathways to healthy aging

Role: Co-I; Faculty Mentor

NIH R25 HL147668-01 (Wray, Kitko) 2019 – 2024

Improving access through research and training (IMPACT)

Role: Co-I; Faculty Mentor

<https://impactprogram.psu.edu/>

NIH T32 HD101390-01 (Noll, Jackson) 05/11/2020 – 04/30/2025

Creating the next generation of scholars in child maltreatment science

Role: Co-I; Faculty Mentor

Penn State University Science Council

Health Challenge (Sliwinski)

02/25/2022 – 02/24/2025

\$600,000

The Geroscience and Dementia Prevention Consortium (GDPC)

Role: Co-I; Faculty Member

GRANTS PENDING REVIEW (Direct costs shown)

NIH R03 (Witzel) 04/01/2024 – 03/31/2026 \$100,000

Stress and affective mechanisms that relate to inflammation in diverse older men and women

This project extends the Einstein Aging Program Project to examine which aspects of daily stress processes are linked with inflammatory markers, including MIF, and the moderating role of gender.

Role: Co-I, 3% effort

PAST GRANT FUNDING (Direct costs shown)

NIH RF1 AG056487-01A1 07/01/2018 – 08/31/2023 \$2,650,961

(Engeland, Graham-Engeland)

Integrative biobehavioral and psychosocial risk for cognitive decline in the elderly

This longitudinal study (4 annual data waves) examines how inflammation, lipid signaling, and neurodegenerative biomarkers predict cognitive decline, mild cognitive impairment, and ultimately

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dementia (e.g., Alzheimer's disease) in 500 participants 70-90 years of age in the Bronx, NY.

Role: PI (Multiple)

PA Tobacco Settlement Fund (TSF)

Junior Faculty Research Scholar Award: Commonwealth Universal Research Enhancement (CURE) Program (Mukherjee) 06/01/2020 – 06/30/2023 \$200,000

A neurobiological model of anticipatory anhedonia: The association of inflammation and reward circuitry dysfunction in treatment resistant depression

This study examines the unique and interactive associations between measures of inflammation (blood) and reward (fMRI) with anticipatory anhedonia in patients who are non-responsive to antidepressants.

Role: Faculty Mentor / Co-I

NIH R44 AG056250-03A1 (Gartenberg) 06/01/2020 – 05/31/2023 \$2,478,346

A non-pharmacological multi-modal therapy to improve sleep and cognition and reduce mild cognitive impairment risk

The overall objective of this research is to develop a non-pharmacological means to address sleep deficiencies and well-being in older adults.

Role: Co-I, 5% effort

NIH R01 MD011575-01A1 (Giurgescu) 01/06/2017 – 07/31/2022 NCE \$2,498,120

Social stressors and inflammation: A mixed methods approach to preterm birth

This mixed method, longitudinal study will be the first to prospectively examine five interrelated factors (social stressors, personal resources, emotional stress, cortisol, and inflammation) that have been related to preterm birth. The study will be conducted with 1500 African American women.

Role: Co-I (PI at Penn State)

NIH U01 AG062370-01 (Sliwinski) 09/30/2018 – 05/31/2021 NCE \$1,380,573

Elucidating the necessary components and mechanisms of cognitive training (ENACT)

This study will use two forms of cognitive training to examine how cognitive and psychosocial factors account for the transfer of such training to everyday function in adults aged 45-90. Lifestyle behaviors, biomarkers and neural mechanisms (fMRI) will also be explored.

Role: Co-I

NIH UL1 TR002014 Penn State CTSI (Mukherjee) 09/01/2019 – 08/31/2021 NCE \$47,300

Neural, Inflammatory and Behavioral Markers of Anhedonia in Treatment Resistant Depression

This study examines the unique and interactive associations between measures of fMRI, MRI, and inflammation with components of depressed mood (e.g., anhedonia) in patients who are non-responsive to antidepressants.

Role: Co-I

Proactive Life Inc. (Buxton) 04/01/2020 – 05/31/2022 \$482,877

A non-pharmacological multi-modal therapy to improve sleep and cognition and reduce mild cognitive impairment risk

In conjunction with NIH grant AG056250-03A1 (above), the overall objective of this research is to develop a non-pharmacological means to address sleep deficiencies and well-being in older adults.

Role: Co-I

NIH U01 AG062370-02 (Ross) 07/15/2019 – 05/31/2020 \$250,000

Elucidating the necessary components and mechanisms of cognitive training

This administrative supplement provides funds for additional blood-based biomarkers to be assessed that pertain to brain health, neurodegeneration, and Alzheimer's Disease. Additional funds will cover mobile plans for cell phones and other related costs.

Role: Co-I

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NIH R01 AG042595-01A1 (Engeland, Graham) 09/30/2012 – 05/31/2019 \$1,363,648

Inflammatory mediators of stress and cognitive aging

This longitudinal study incorporates blood and saliva sampling and a battery of psychosocial questionnaires (4 annual data waves) into an ongoing prospective study that examines cognitive aging in 320 individuals 25-65 years of age in the Bronx, NY.

Role: PI (Multiple)

BBH Research Initiative Award (Murdock) 11/05/2018 – 06/30/2019 \$9,185

Cognitive performance and inflammation: Evaluating the role of circulating and stimulated cytokines

This study will provide pilot data on basal and lipopolysaccharide-induced cytokines in ex vivo human blood samples, to examine how cognitive abilities, stress, health behaviors and inflammation relate to metabolic syndrome.

Role: Co-I

BBH Research Initiative Award (Murdock) 04/20/2018 – 08/31/2018 \$3,400

Cognitive profiles and metabolic syndrome: Biobehavioral mechanisms explaining increased risk and progression

This study will provide pilot data on mitochondrial dysfunction for a future R01 grant application examining how cognitive abilities, stress, health behaviors and critical biomarkers relate to metabolic syndrome.

Role: Co-I

CTSI Bridges to Translation Award (Engeland) 11/01/2015 – 06/30/2017 \$45,980

Penn State University – NIH UL1 TR002014

Hyperglycemia and impaired healing in medically complex surgical patients

This clinical pilot study examines hyperglycemia development and surgical outcomes in hernia repair patients, with a focus on lipidomics and proteomics aimed at factors critical for tissue repair that are assessed from blood and directly in the wound site (i.e., wound drainage).

Role: PI

University of Sydney 01/01/2015 – 12/31/2016 \$19,541

International Program Development Fund (Edwards)

Healthy aging in a changing climate: Heat wave survival, critical biomarkers and interventions

This pilot project examines the efficacy of lowcost, energy efficient interventions (e.g. electric fans) on mitigating cardiovascular and thermal strain, which lead to a heightened risk of cardiac events in at-risk individuals during heat waves.

Role: Co-I

Social Science Research Institute – CYFC (Noll) 03/01/2014 – 02/28/2016 \$43,000

Penn State University

Daily Stress and Premature Cognitive Aging as Long-term Sequelae of Childhood Sexual Abuse

This grant examined resilience in the face of daily stressors and the extent to which daily stressors exacerbate the impact of an already-compromised Hypothalamic Pituitary Adrenal (HPA) axis.

Role: Consultant

UIC Midwest Roybal Center 10/01/2014 – 09/30/2015 \$50,000

for Health Promotion and Translation (Ezenwa)

Feasibility of a Stress Reduction Intervention Study in Sickle Cell Disease

This clinical pilot study assessed the effects that stress reduction has on pain perception, cortisol levels and cardiovascular function in patients with sickle cell disease. **Role: Co-I**

Wayne State University (Giurgescu) 04/01/2013 – 03/31/2015 \$5,000

College of Nursing

Social stressors, inflammation, and preterm birth in African American women: A pilot

This study examined the role of social stressors and inflammation on preterm birth for African American women in Detroit.

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Role: Co-I

College of Nursing Internal Research (Ezenwa) 02/01/2013-01/31/2014 \$10,000
The Feasibility of a Stress Reduction Intervention Study in Sickle Cell Disease

Pilot study that assessed the effects that a guided imagery intervention has on perceived stress, pain perception, and cortisol levels in patients with sickle cell disease.

Role: Co-I

UIC Campus Research Board (Ezenwa) 01/01/2014-12/31/2014 \$20,000
Feasibility of a Stress Reduction Intervention Study in Sickle Cell Disease

This clinical pilot study assessed the effects that stress reduction has on pain perception, cortisol levels and cardiovascular function in patients with sickle cell disease.

Role: Co-I

Marie Curie Funding Scheme fp7 (Lord) 11/01/2009–10/31/2013 €3,100,000
European Research Council

Neuroendocrine Networks in Aging – Stress, Immunity, and Mental Health

Study aims: 1) to investigate the associations between lifestyle, psychosocial factors, and markers of immunosenescence in pre-senescent adults (18-65 yrs); 2) to investigate the potential mediating roles of neuroendocrine activity and latent viral infection in these associations.

Role: Consultant

Social Science Research Institute (Graham) 10/05/2011–10/04/2013 \$24,748
Penn State University

Inflammatory Mediators of Psychological Stress and Cognitive Aging

This pilot funding enabled sample collection over the first year, and also the analysis of inflammatory biomarkers collected during the first 6 months, in an ongoing longitudinal study of stress and cognitive aging in the Bronx, NY. This ensured that physiological data was not lost prior to R01 funding (see above).

Role: Co-I

Social Science Research Institute (Graham) 08/01/2012–07/31/2013 \$4,940
Penn State University

Validation of Salivary to Blood-based Inflammatory Markers and Associations with Psychosocial and Immune Health Indicators

This pilot study will validate various inflammatory biomarkers in saliva to previously obtained values in blood, and also relate them to tissue inflammation during wound healing.

Role: Co-I

UIC CCTS Pilot Grant 2011 (White-Traut) 08/01/2011–07/31/2013 \$60,000

Pathways to Preterm Birth: Stress, Inflammation, & Cervical Remodelling

This pilot project has provided additional preliminary data to enhance this group's P01 application for 09/2013 (see above).

Role: Co-I

NIH R01 DE017686-01 (Marucha) 03/01/2008–02/28/2013 \$1,250,000
Stress-Impaired Microbial Clearance

This program will study the effects of stress on the immune system, and the role of oxygen on stress-impaired microbial clearance, during wound healing.

Role: Co-I

NIH R03 NR010608-01 (Giurgescu) 07/01/2008–06/30/2011 \$100,000
Race-related Stressors and Preterm Birth in African-American Women

This program will examine the relations between psychological and physiological stressors, immune responses and the incidence of preterm birth in low income African-American women.

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Role: Co-I

UIC Wach Fund (Fischer) 06/01/2009–12/31/2010 \$14,788

Application of Salivary Diagnostics in Patients With and Without Intraoral Lesions

This study will evaluate saliva as a diagnostic tool in assessing oral health in patients near the end of life.

Role: Co-I

NIH R21 DE018161-01 (Engeland) 05/01/2008–04/30/2010 \$275,000

Clinical Corticosteroid Therapy: Impact on Oral Mucosal Wound Healing

This program seeks to determine the effects of corticosteroid administration upon tissue inflammation and the healing of standardized oral mucosal wounds, and to assess the interactive effects of circulating sex and stress hormones on these healing parameters. These results should have a direct impact upon the prevalence of corticosteroid use in dental surgery.

Role: PI

NIH R21 DE018161-02S1 (Engeland) 06/02/2009–04/30/2010 \$8,600

Administrative Supplements Providing Summer Research Experiences

This application will fund two undergraduate research students for the summer to work on my NIH funded R21 grant. It also provides \$2000 for research supplies.

Role: PI

PUBLICATIONS

* Mentored trainee ** Corresponding author † Co-first author

<https://www.ncbi.nlm.nih.gov/myncbi/christopher.engeland.1/bibliography/public/>

h-index = 30 [Google Scholar]

- 1) Zavala D, Dzikowski N, Gopalan S, Harrington KD, Pasquini G, Mogle J, Muñoz E, Reid K, Sliwinski M, Graham-Engeland JE, **Engeland CG**, Bernard K, Veeramah K, Scott SB. (In Press) Epigenetic and chronological age: Associations with cognitive performance in daily life. Journal of Gerontology - Series A: Biological Sciences and Medical Sciences. doi.org/10.1093/Gerona/glad242 (10 pages). PMID: 37899644
Preprint: PsycArXiv <https://psyarxiv.com/sre8p/>
- 2) Harrington EE, Graham-Engeland JE, Sliwinski MJ, Van Bogart K, Mogle JA, Katz MJ, Lipton RB, **Engeland CG**. (2023) Older adults' self-reported prospective memory lapses in everyday life: Connections to inflammation and gender. Journal of Psychosomatic Research. doi.org/10.1016/j.jpsychores.2023.111489 (7 pages). PMID: 37690333
Preprint: PsycArXiv <https://psyarxiv.com/2cng3/>
- 3) Davis K, Knauff K, Lewis L, Rappaport L, **Engeland CG**, Fritz H, Cutchin M, Levy P, Joseph NT, Luca F, Zilioli S. (2023) The Heart of Detroit Study: A window into urban middle-aged and older African Americans' daily lives to understand psychosocial determinants of cardiovascular disease risk. BMC Psychiatry. 23(1):766. doi.org/10.1186/s12888-023-05148-2 (11 pages). PMID: 37853373
- 4) Zhang Z, Moeckel C, Mustafa M, Pham H, Olson AE, Mehta D, Dorn LD, **Engeland CG**, Shenk CE. (2023) The association of epigenetic age acceleration and depressive and anxiety symptom severity among children recently exposed to substantiated maltreatment. Journal of Psychiatric Research. 165:7-13. PMID: 37441927
- 5) Wright MA*, **Engeland CG**. (In Press) Biopsychosocial processes: Neuroendocrine and immune pathways. Chapter 11. In: Fagundes C & Merlo G (Eds.), Lifestyle Psychiatry: Through the Lens of Behavioral Medicine. Boca Raton: CRC Press/Taylor & Francis Catalog #: 510906. ISBN: 9781032230993

- 6) **Engeland CG**†**, Knight EL*†, Yocum AK, Abu-Mohammad A, Bertram H, Vest E, McInnis MG, Saunders EFH. (2023) Heightened inflammation in bipolar disorder occurs independent of symptom severity and is explained by body mass index. Brain, Behavior, & Immunity - Health. doi.org/10.1016/j.bbih.2023.100613 (8 pages). PMID: 37025250
- 7) Knight EL*, Graham-Engeland JE, Sliwinski MJ, **Engeland CG**. (2023) Greater ecologically-assessed positive experiences predict heightened sex hormone concentrations across two-weeks in older adults. Journal of Gerontology – Series B. 78(6):1007-1017. PMID: 36715104
- 8) Song S, DeMeo NN, Almeida DM, Majd M, **Engeland CG**, Graham-Engeland JE. (2022) The longitudinal connection between depressive symptoms and inflammation: Mediation by sleep quality. PLOS One. doi.org/10.1371/journal.pone.0269033 (21 pages). PMID: 35617264
- 9) Murdock KW, Stowe RP, **Engeland CG**. (2022) Diminished cellular immunity is associated with executive functioning among middle-aged and elderly adults. Psychosomatic Medicine. 84(6):679-684. PMID:35420592
- 10) Saadat N, Zhang L, Hyer S, Padmanabhan V, Woo J, **Engeland CG**, Misra D, Giurgescu C. (2022) Psychosocial and behavioral factors affecting systemic inflammation among pregnant African American women. Brain, Behavior, & Immunity - Health. doi.org/10.1016/j.bbih.2022.100452 (9 pages). PMID: 35403067
- 11) Graham-Engeland JE, DeMeo N, Jones DR, Mathur A, Smyth JM, Sliwinski MJ, McGrady ME, Lipton RB, Katz MJ, **Engeland CG**. (2022) Individuals with both higher recent negative affect and physical pain have higher levels of C-reactive protein. Brain, Behavior, & Immunity - Health. doi.org/10.1016/j.bbih.2022.100431 (9 pages). PMID: 35243409
- 12) Van Bogart K, **Engeland CG**, Sliwinski MJ, Harrington K, Knight EL, Graham-Engeland JE. (2022) The association between loneliness and inflammation: Findings from an older adult sample. Frontiers in Behavioral Neuroscience. doi.org/10.3389/fnbehav.2021.801746 (12 pages). PMID: 35087386
- 13) Knight EL*, Majd M, Graham-Engeland JE, Smyth M, Sliwinski MJ, **Engeland CG****. (2022) Depressive symptoms and other negative psychological states relate to *ex vivo* inflammatory responses differently for men and women: Cross-sectional and longitudinal evidence. Physiology and Behavior. 244:113656. doi.org/10.1016/j.physbeh.2021.113656 (9 pages). PMID: 34838823
- 14) Giurgescu C, Misra D, Slaughter-Acey J, Gillespie S, Nowak Alexandra, Dove-Medows E, **Engeland CG**, Zenk S, Lydic T, Sealy-Jefferson S, Ford J, Drury S, Stemmer P. (2021) Neighborhoods, racism, stress and preterm birth among African American women: A review. Western Journal of Nursing Research. doi.org/10.1177/01939459211041165 (10 pages).
- 15) Vervoordt SM, Arnett P, **Engeland CG**, Rabinowitz AR, Hillary FG. (2021) Depression associated with APOE status and hippocampal volume but not cognitive decline in older adults aging with traumatic brain injury. Neuropsychology. doi.org/10.1037/neu0000750 (13 pages). PMID: 34570541
- 16) Knight EL, Rodriguez-Stanley J, Jiang Y, Almeida DM, **Engeland CG**, Zilioli S. (2021) Perceived stress is linked to heightened biomarkers of inflammation via diurnal cortisol in a national sample of adults. Brain, Behavior, and Immunity. 93:206-213. PMID: 33515741
Invited commentary. PMID: 33831472
- 17) Davis KM, **Engeland CG**, Murdock KW. (2020) Ex vivo LPS-stimulated cytokine production is associated with cortisol curves in response to acute psychosocial stress. Psychoneuroendocrinology. doi.org/10.1016/j.psyneuen.2020.104863 (8 pages). PMID: 32950932
- 18) Giurgescu C, Zhang L, Price M, Dailey R, Frey H, Walker D, Zenk SN, **Engeland CG**, Anderson CM, Misra DP. (2020) Prenatal cigarette smoking as a mediator between racism and depressive

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- symptoms: The biosocial impact on black births study. Public Health Nursing. 37(5):740-749. PMID: 32734603
- 19) Woo J, Koenig MD, **Engeland CG**, Kominiarek M, White-Traut R, Yeatts P, Giurgescu C. (2020) Neighborhood disorder predicts lower serum vitamin D levels in pregnant African American women: A pilot study. Journal of Steroid Biochemistry and Molecular Biology. doi.org/10.1016/j.jsbmb.2020.105648 (5 pages). PMID: 32142935
- 20) Jones DR, Smyth JM, **Engeland CG**, Sliwinski MJ, Russell R, Sin NL, Almeida D, Graham-Engeland JE. (2020) Affect variability and inflammatory markers in midlife adults. Health Psychology. 39(8):655-666. PMID: 32324001
- 21) Yang H*, **Engeland CG**, King TS, Sawyer AM. (2020) The relationship between diurnal variation of cytokines and symptom expression in mild obstructive sleep apnea. Journal of Clinical Sleep Medicine. 16(5):715-723. PMID: 32029067
- 22) Majd M*, Saunders E, **Engeland CG****. (2020) Inflammation and the dimensions of depression: A review. Frontiers in Neuroendocrinology. doi: 10.1016/j.yfrne.2019.100800 (21 pages). PMID: 31654681
- 23) **Engeland CG****. (2020) Wound healing. In: Gellman MD, Turner JR (Eds.), Encyclopedia of Behavioral Medicine, 2nd edition. New York: Springer. pp. 2360-2366. ISBN: 978-3030399016 doi:10.1007/987-1-4614-6439-6_502-2
- 24) Lee S, Stone KL, **Engeland CG**, Lane NE, Buxton OM. (2020) Arthritis, sleep health, and systemic inflammation in older men. Arthritis Care and Research. 72(7):965-973. PMID: 31074577
- 25) Knight EL*, Majd M*, Graham-Engeland JE, Smyth JM, Sliwinski MJ, **Engeland CG****. (2020) Gender differences in the link between depressive symptoms and *ex vivo* inflammatory responses are associated with markers of endotoxemia. Brain, Behavior, & Immunity - Health. doi.org/10.1016/j.bbih.2019.100013 (22 pages). PMID: 34258602
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- 27) **Engeland CG****, Bosch JA, Rohleder N. (2019) Salivary biomarkers in psychoneuroimmunology. Current Opinion in Behavioral Sciences. 28:58-65. PMID: 32215283
- 28) Slavish DC, Graham-Engeland JE, **Engeland CG**, Taylor DJ, Buxton OM. (2018) Insomnia symptoms are associated with elevated C-reactive protein in young adults. Psychology and Health. 33(11):1396-1415. PMID: 30358412
- 29) Graham-Engeland JE, Sin NL*, Smyth JM, Jones DR, Knight EL*, Sliwinski MJ, Almeida DM, Katz MJ, Lipton RB, **Engeland CG**. (2018) Negative and positive affect as predictors of inflammation: Timing matters. Brain, Behavior, and Immunity. 74:222-230. PMID: 30217538
- 30) Majd M*, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ, **Engeland CG****. (2018) Distinct inflammatory response patterns are evident among men and women with higher depressive symptoms. Physiology and Behavior. 184:108-115. PMID: 29133231
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- 32) Welke L, Thomson J, Koenig MD, Nemeth E, White-Traut R, McFarlin B, Giurgescu C, **Engeland CG**,

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- Kominiarek M, Tussing-Humphreys L. (2017) Iron metabolism in African American women in the second and third trimesters of high-risk pregnancies. Journal of Obstetric, Gynecologic, and Neonatal Nursing. 46(1):148-158. PMID: 27836659
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Manuscripts Submitted

Wright MA*, Giurgescu C, Misra DP, **Engeland CG**. Neighborhood racial composition and experienced discrimination: Associations with cytokines during pregnancy among African American women. Brain, Behavior & Immunity – Health. (Revised and resubmitted)

Harrington EE, Gamaldo AA, Sliwinski MJ, Hakun JG, Buxton O, Katz MJ, Derby CA, Foor K, **Engeland CG**, Graham-Engeland JE. Characteristics of discrimination and ambulatory cognitive performance among older adults. Current Psychology.

Harrington EE, Gamaldo AA, Sliwinski MJ, Murdock KW, **Engeland CG**, Graham-Engeland JE. Racial differences in the link between perceived discrimination, depressive symptoms, and ambulatory working memory. Aging & Mental Health.

Kelliher JC, **Engeland CG**, Graham-Engeland JE, Katz M, Shearer GC. Gender and racial/ethnic differences in omega 3 oxylipin composition of HDL: Associations with MCI and dementia risk. Journal of Lipid Research.

Nowak A, Saadat N, Sun J, Forsman A, Woo J, **Engeland CG**, Misra D, Giurgescu C, Zhang W, Anderson C. Preterm birth in African American women: A multi-omic approach in early pregnancy. Biological Research for Nursing.

National / International Conferences (* Presenter)

- 1) Tennyson RL*, **Engeland CG**, Harrington EE, Witzel DD, Slavich GM, Graham-Engeland JE. (2024) Early life adversity is related to different ex vivo inflammatory responses in older men and women. (Human Biology Association [HBA], Los Angeles CA)
- 2) Graham-Engeland JE*, Witzel D, Harrington EE, Martire LM, Van Bogart K, **Engeland CG**. (2024) The negative affect and pain connection in older adults: The role of social interactions and enjoyment. (American Psychosomatic Society [APS], Brighton, England)
- 3) Van Bogart K*, **Engeland CG**, Witzel DD, Graham-Engeland JE. (2023) The role of mild cognitive impairment and marital status on loneliness and intrusive thoughts in daily life. (The Gerontological Society of America [GSA], Tampa FL)
- 4) Ji L*, Shen Y, Graham-Engeland JE, Derby CA, **Engeland CG**, Buxton O. (2023) Gender differences in the association between sleep and inflammatory markers: Results from the Einstein Aging Study. (GSA, Tampa FL)
- 5) Graham-Engeland JE*, Witzel DD, Harrington EE, **Engeland CG**, Martire LM, Van Bogart K. (2023) Disrupting the negative affect and pain connection in older adults: The role of social interactions and enjoyment. (GSA, Tampa FL)
- 6) Harrington EE*, Graham-Engeland JE, Sliwinski MJ, Mogle J, Lipton RB, Katz MJ, **Engeland CG**. (2023) Examining two consecutive years of older adults' everyday prospective memory lapses and inflammation by gender. (GSA, Tampa FL)
- 7) Tennyson RL*, Wright MA, Knight EL, Graham-Engeland JE, **Engeland CG**. (2023) Stability and inter-relationships of inflammatory markers across two weeks in older adults. (GSA, Tampa FL)
- 8) Wright MA*, Knight EL, Graham-Engeland JE, **Engeland CG**. (2023) Intra-individual stability of repeated measures of circulating and stimulated cytokines among older adults. (Psychoneuroimmunology Research Society [PNIRS], Boulder CO)

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- 9) Goulden EH, **Engeland CG**, Graham-Engeland JE, Sliwinski MJ, Knight EL. (2023) Sex steroids buffer the relationship between self-reported psychosocial stress and glucocorticoids. (PNIRS, Boulder CO)
- 10) Harrington EE*, Graham-Engeland JE, Lipton RB, Roque N, Sliwinski MJ, **Engeland CG**. (2023) Inflammation and working memory performance in everyday life: Gender differences among older adults with and without cognitive impairment. (Alzheimer's Association International Conference [AAIC], Amsterdam, Netherlands)
- 11) Ji L*, Shen Y, Harrington EE, Van Bogart K, Graham-Engeland JE, Derby CA, **Engeland CG**, Buxton OM. (2023) Variability in sleep is associated with inflammatory biomarkers: Results from the Einstein Aging Study. (AAIC, Amsterdam, Netherlands)
- 12) Bertisch SM*, Ji L, Gray M, Graham-Engeland JE, Derby CA, **Engeland CG**, Buxton OM. (2023) Associations between sleep-disordered breathing and inflammatory markers: Results from the Einstein Aging Study. (AAIC, Amsterdam, Netherlands)
- 13) Harrington KD*, Zhaoyang R, Mogle J, Diaz J, Van Bogart K, Rabin L, **Engeland CG**, Graham-Engeland JE, Sliwinski MJ. (2023) Loneliness and daily subjective cognitive concerns among cognitively normal older adults and individuals with MCI. (AAIC, Amsterdam, Netherlands)
- 14) Cerino ES*, Gamaldo AA, Hyun J, Buxton OM, **Engeland CG**, Katz MJ, Wang C, Derby CA, Lipton RB, Sliwinski MJ. (2023) Within-day variability in mobile cognitive assessments: Associations with mild cognitive impairment and sociodemographic factors. (AAIC, Amsterdam, Netherlands)
- 15) Ji L*, Shen Y, Graham-Engeland JE, Derby CA, **Engeland CG**, Buxton OM. (2023) Gender differences in the association between sleep and inflammatory biomarkers: Results from the Einstein Aging Study. (The Gerontological Society of America [GSA], Tampa FL)
- 16) Ji L*, Shen Y, Harrington EE, Van Bogart K, **Engeland CG**, Graham-Engeland JE, Bertisch SM, Derby CA, Buxton OM. (2023) The association between sleep health facets and inflammatory markers: Results from the Einstein Aging Study. (Meeting of the Associated Professional Sleep Societies, Indianapolis IN)
- 17) Knight EL*, Graham-Engeland JE, Sliwinski MJ, **Engeland CG**. (2023) Greater ecologically-assessed positive experiences predict heightened sex hormone concentrations across two-weeks in older adults. (APS, San Juan, Puerto Rico)
- 18) Harrington EE*, Gamaldo AA, Sliwinski MJ, Hakun JG, **Engeland CG**, Graham-Engeland JE. (2023) Racial differences in the links between perceived discrimination, depressive symptoms, and everyday working memory among older Black and White adults. (APS, San Juan, Puerto Rico)
- **Citation poster of high merit**
- 19) Lipitz SR*, Harrington EE, **Engeland CG**, Smyth JM, Graham-Engeland JE. (2023) Associations between stress, unconstructive repetitive thought, and affect are moderated by age in a diverse midlife sample. (APS, San Juan, Puerto Rico)
- 20) Wright MA*, Knight EL, Graham-Engeland JE, **Engeland CG**. (2023) Stability of ex-vivo stimulated cytokines varies by subjective health status in a sample of older adults. (APS, San Juan, Puerto Rico)
- **Citation poster of high merit**
- 21) Zhang Z*, Olson A, Dorn L, **Engeland CG**, Shenk C. (2023) Epigenetic age acceleration and risk for depression and anxiety following exposure to substantiated child maltreatment. (Society for Research in Child Development, Salt Lake City UT)
- **Flash talk session**

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- 22) Nowak A*, Saadat N, Anderson CM, Forsman A, Zhang W, Sun J, Woo J, **Engeland CG**, Misra D, Giurgescu C. (2022). Differential gene expression among African American women with preterm and full-term births. (Council for the Advancement of Nursing Science [CANS] State of the Sciences Congress on Nursing Research: Social and Structural Determinants of Health, Washington DC)
- 23) Wright MA*, Giurgescu C, Misra DP, **Engeland CG**. (2022) Neighborhood racial composition: Associations with macrophage migration inhibitory factor (MIF) and interferon-gamma (IFN- γ) among pregnant African American women. (PNIRS, Zurich Switzerland)
- 24) Harrington EE*, Graham-Engeland JE, Sliwinski MJ, Katz MJ, Van Bogart K, Mogle J, Lipton RB, **Engeland CG**. (2022) Everyday prospective memory lapses and inflammation in older adults. (GSA, Indianapolis IN)
- 25) Zavala DV, Dzikowski N, Gopalan S, Reid K, Graham-Engeland JE, **Engeland CG**, Veeramah K, Scott SB. (2022) Applying new methods to existing datasets to test stress effects on biological aging. (GSA, Indianapolis IN)
- 26) **Engeland CG***, Katz MJ, Qin J, Wang C, Ashton NJ, Blennow K, Zetterberg H, Graham-Engeland JE, Pavlovic J, Derby CA, Lipton RB. (2022) Blood-based biomarkers for neurodegeneration in non-Hispanic Black and White older adults: Results from the Einstein Aging Study (EAS). (Alzheimer's Association International Conference [AAIC], San Diego CA)
- 27) Qin J, Wang C, Katz MJ, Zetterberg H, Blennow K, **Engeland CG**, Hakun JG, Pavlovic J, Derby CA, Sliwinski MJ, Lipton RB. (2022) Plasma neurofilament light (NfL) associated with retest learning effects on ambulatory cognitive assessments of processing speed: Results from the Einstein Aging Study (EAS). (AAIC, San Diego CA)
- 28) Harrington EE*, Gamaldo AA, Sliwinski MJ, Hakun JG, Katz MJ, Derby CA, **Engeland CG**, Graham-Engeland JE. (2022) Characteristics of discrimination and associations with cognition among Black and White older adults. (Cognitive Aging Conference [CAC], Atlanta GA)
- 29) **Engeland CG***, Knight EL, Sliwinski MJ, Graham-Engeland JE. (2022) Practice effects on cognitive performance are attenuated by higher peripheral inflammation: A study in midlife adults. (APS, Long Beach CA)
- 30) Van Bogart K*, **Engeland CG**, Sliwinski MJ, Harrington KD, Knight EL, Zhaoyang R, Scott SB, Graham-Engeland JE. (2022) The association between loneliness and inflammation: Findings from an older adult sample. (APS, Long Beach CA)
- 31) **Engeland CG***, Knight EL, Sliwinski MJ, Graham-Engeland JE. (2021) Interactive effects of age and inflammation on change in ecologically-assessed cognitive functioning. (GSA, Phoenix AZ)
- 32) Knight EL*, Harrington EE, Sliwinski MJ, Graham-Engeland JE, Pavlovic J, **Engeland CG**. (2021) Inflammatory biomarkers and sex hormones interact to predict ecologically-assessed cognitive performance (GSA, Phoenix AZ)
- 33) Vervoordt S*, Arnett P, **Engeland CG**, Hillary F. (2021) Examining depression as a marker for decline in older adults with a history of moderate to severe traumatic brain injury: Genetic risk, cognitive deficits, and hippocampal volumetric changes. (The International Neuropsychology Society [INS], Virtual Meeting - February 2021)
- 34) Saadat N*, Zhang L, Padmanabhan V, **Engeland CG**, Misra D, Giurgescu C. (2021) Systemic inflammation among pregnant African American women is related to depressive symptoms and intimate partner violence. (Endocrine Society, Virtual Meeting - March 2021)
- 35) Saadat N*, Lydic T, Padmanabhan V, **Engeland CG**, Misra D, Giurgescu C. (2021) Lipidome

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signatures of higher BMI, and systemic inflammation in pregnant African American women. (Fertility, Virtual Meeting - January 2021)

- 36) Knight EL*, Majd M, Graham-Engeland JE, **Engeland CG**. (2020) Depressive symptoms and other negative psychological states predict ex vivo inflammatory responses over time: The role of gender. (APS, Virtual meeting – December 2020)
- Citation poster of high merit
- 37) Mattern BC*, Marucha PT, **Engeland CG**. (2020) Fear of medical procedures speeds mucosal wound closure. (APS, Long Beach CA)
- 38) Van Bogart K*, Kang JE, **Engeland CG**, Sliwinski MJ, Smyth JM, Graham-Engeland JE. (2020) Exploring the associations between loneliness and inflammation. (APS, Long Beach CA)
- 39) Knight EL*, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ, **Engeland CG**. (2019) Blood endotoxin levels may explain gender differences in the link between depressive symptoms and ex vivo inflammatory responses. (PNIRS, Berlin Germany)
- 40) Song S*, Almeida DM, Majd M, Engeland CG, Demeo N, Graham-Engeland JE. (2019) Depressive symptoms predict levels of inflammation 10 years later and the role of sleep quality: Findings from the Midlife in the United States (MIDUS) study. (Korean Psychological Association, Seoul South Korea)
- 41) Woo J*, Giurgescu C, Koenig MD, **Engeland CG**, Kominiarek MA, White-Traut R. (2019) Neighborhood disorder predicts lower serum vitamin D levels in pregnant African American women. (International Scientific Conference on Vitamin D, New York City NY)
- 42) Majd M*, Saunders EF, **Engeland CG**. (2019) Inflammation and the dimensions of depression: A review. (American Society of Clinical Psychopharmacology [ASCP], Miami FL)
- 43) Knight EL*, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ, **Engeland CG**. (2018) Stress indirectly links to ex vivo inflammatory responses via depressive symptoms and is moderated by gender. (PNIRS, Miami FL)
- 44) Nowak A, **Engeland CG**, Zenk SN, Misra DP, Giurgescu C. (2018) Perceptions of neighborhood crime relate to systemic inflammation among pregnant African American women. Western Journal of Nursing Research, 40(10): 1569-1570. PMID: 30188263. (Midwest Nursing Research Society [MNRS], Cleveland OH)- *Selected as a Distinguished Abstract*
- 45) Giurgescu C, Misra DP, Nowak A, **Engeland CG**, Zenk, SN. (2018) Perceived neighborhood crime is related to higher serum IL-8 levels in pregnant African American women. (Sigma Theta Tau - International Nursing Research Congress, Melbourne Australia)
- 46) Slavish DC, Graham-Engeland JE, **Engeland CG**, Taylor DJ, Buxton OM. (2018) Insomnia symptoms and stress-related vulnerability to sleep disturbance are associated with elevated inflammation. (APS, Louisville Kentucky)
- 47) Knight EL*, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ, **Engeland CG**. (2018) The link between stress and inflammation is mediated by depressive symptomology and moderated by gender. (APS, Louisville Kentucky)
- Citation poster of high merit
- 48) Mathur A*, Sliwinski MJ, Jones DR, **Engeland CG**, Smyth JM, Lipton RB, Katz MJ, Graham-Engeland JE. (2018) Peripheral inflammation and recent physical pain: Moderation by aggregated momentary negative affect. (APS, Louisville Kentucky)

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- 49) Majd M*, Greaney JL, Saunders EF, **Engeland CG**. (2018) Inflammatory correlates of specific symptoms of depression. (ASCP, Miami FL)
- 50) Knight EL*, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ, **Engeland CG**. (2018) The stress-inflammation link is mediated by depressive affect and moderated by gender. (Society for Affective Science [SAS], Los Angeles CA)
- 51) **Engeland CG***, Monestero AP, Gajendrareddy PK, Rocha JM, Manos MA. (2017) Higher local and systemic inflammation in periodontal disease does not alter healing rates or inflammatory responses to acute injury. (APS, Sevilla Spain)
- 52) Graham-Engeland JE*, Slavish DC, Smyth JM, **Engeland CG**, Song S, McCormick N. (2017) Positive affect is associated with lower salivary C-reactive protein in young adults with and without chronic pain. (APS, Sevilla Spain)
- 53) Jones DR*, Smyth JM, Sliwinski MJ, **Engeland CG**, Sin NL, Lipton RB, Katz MJ, Almeida D, Graham-Engeland JE. (2017) Positive emotion variability is associated with circulating inflammatory markers. Psychosomatic Medicine. (APS, Sevilla Spain)
- 54) Majd M*, Greaney JL, Saunders EF, **Engeland CG**. (2017) Ex vivo inflammatory response patterns among non-medicated depressed patients. (ASCP, Miami FL)
- 55) Greaney JL*, **Engeland CG**, Saunders EF, Alexander LM. (2017) Nuclear factor- κ B activation contributes to vascular endothelial dysfunction in adults with major depressive disorder. (Society of Biological Psychiatry, San Francisco CA)
- 56) **Engeland CG***, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton RB, Katz MJ. (2016) Higher depressive symptoms relate to different inflammatory response patterns (*ex vivo*) among men and women. Brain, Behavior, and Immunity. 57 S: e3. (PNIRS, Brighton UK)
- 57) Graham-Engeland JE*, **Engeland CG**, Sin NL, Smyth JM, Sliwinski MJ, Almeida DM, Lipton RB, Katz MJ. (2016) The relationship between mood and inflammatory biomarkers is influenced by their temporal proximity and mood measurement. Brain, Behavior, and Immunity. 57 S: e4. (PNIRS, Brighton UK)
- 58) Majd M*, Graham-Engeland JE, Smyth JM, Sliwinski MJ, Lipton, RB, Katz MJ, **Engeland CG**. (2016) Gender differences in the relationship between depressive symptoms and LPS-induced inflammation. Psychosomatic Medicine. (APS, Denver CO)
- 59) Graham-Engeland JE*, Sin NL, Smyth JM, Sliwinski MJ, Almeida DM, Lipton, RB, Katz MJ, **Engeland CG**. (2016) Peripheral inflammatory biomarkers are linked with momentary affect but not global recalled affect. Psychosomatic Medicine. (APS, Denver CO)
- 60) Giurgescu C*, Zenk SN, Templin TN, **Engeland CG**, Kavanaugh K, Misra DP. (2016) The impact of neighborhood conditions and psychological distress on preterm birth in African American women. Council for the Advancement of Nursing Science: *Determinants of Health - State of the Science Congress on Nursing Research* (Washington DC)
- Abstract of distinction
- 61) Sin NL*, Graham-Engeland JE, Almeida DM, Sliwinski MJ, Smyth JM, Lipton RB, Katz MJ, **Engeland CG**. (2015) Good moments add up for inflammatory health: Associations of momentary positive events with inflammatory state and responsiveness. Brain, Behavior, and Immunity, 49 S: e17. (PNIRS, Seattle WA)
- 62) Pyter LM*, Husain Y, Calero H, McKim D, Lin H-Y, Sheridan JF, Godbout JP, **Engeland CG**, Marucha PT. (2015) Dermal wounds alter tumor immunobiology in mice. Brain, Behavior, and

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Immunity, 49 S: e15. (PNIRS, Seattle WA)

- 63) Ezenwa MO*, Yao Y, Molokie RE, **Engeland CG**, Wang ZJ, Suarez ML, Zhao Z, Wilkie DJ. (2015) Quantitative sensory testing (QST) and salivary cortisol protocol in adults with sickle cell disease. Western Journal of Nursing Research. (MNRS, Indianapolis IN)
- 64) Ezenwa MO*, Yao Y, Molokie RE, **Engeland CG**, Wang ZJ, Suarez ML, Zhao Z, Wilkie DJ. (2015) Stress them up, give them pain. The *Tango* relations of stress and pain in sickle cell disease. Western Journal of Nursing Research. (MNRS, Indianapolis IN)
- 65) Ezenwa MO*, Yao Y, Molokie RE, **Engeland CG**, Wang ZJ, Suarez ML, Zhao Z, Carrasco J, Angulo R, Wilkie DJ. (2015) Feasibility of an internet-enabled tablet-based guided imagery for stress and pain reduction intervention in adults with sickle cell disease. The Journal of Pain. (American Pain Society, Palm Springs CA)
- 66) Ezenwa MO*, Yao Y, Molokie RE, **Engeland CG**, Wang ZJ, Suarez ML, Zhao ZS, Wilkie DJ. (2015) Guided imagery intervention for stress and pain in adults with sickle cell disease. In symposium: *Research with vulnerable young adults*. (International Nursing Research Congress, San Juan, Puerto Rico).
- 67) Manos MP*, Monesterero AP, da Rocha JM, Gajendrareddy PK, **Engeland CG**. (2015) Oral mucosal healing and inflammation in patients with periodontal disease. (International Association for Dental Research [IADR], Boston MA)
- National Finalist for DENTSPLY/Caulk Student Clinician Research Award
- 68) **Engeland CG***, Monesterero AP, da Rocha JM, Manos MA, Gajendrareddy PK. (2014) Inflammation, wound healing, and periodontal disease. Brain, Behavior, and Immunity, 40 S: e6-e7. (PNIRS, Philadelphia PA)
- 69) Gayles JG*, Dorn LD, **Engeland CG**. (2014) Examining differences in serum pro- and anti-inflammatory cytokine profiles across behavioral and physical health in healthy adolescent girls. Brain, Behavior, and Immunity, 40 S: e14. (PNIRS, Philadelphia PA)
- 70) **Engeland CG***, da Rocha JM, Manos MP, Marucha PT. (2014) Sex differences in mucosal healing: The role of inflammation. Psychosomatic Medicine, 76(3): (APS, San Francisco CA)
- APS Press Release
- 71) Qi S*, Munoz E, Graham-Engeland, JE, **Engeland CG**, Smyth JM, Sciegaj M, Sliwinski MJ. (2014) The association between social isolation and chronic disease burden. (Gerontological Society of
- 72) **Engeland CG***, Marucha PT, Manos MP. (2013) Oral mucosal wound healing: Sex differences and inflammation. Brain, Behavior, and Immunity, 32 S: e38. (PNIRS, Stockholm Sweden)
- 73) America, Washington DC) Pyter LM*, Calero H, Marucha PT, **Engeland CG**. (2013) Cancer and stress impair dermal wound healing in mice. (Society for Behavioral Neuroendocrinology, Atlanta GA)
- 74) McKenzie CC*, Pyter LM, Yang L, **Engeland CG**. (2013) Social isolation: Rethinking bacteria's role in stress-impaired wound healing. (IADR, Seattle WA)
- 75) Manos MP*, Marucha PT, **Engeland CG**. (2013) Sex differences in oral mucosal healing: A role for inflammation. (IADR, Seattle WA)
- 76) Sun Y, Lu Y, **Engeland CG**, Gordon S, Sroussi HY*. (2013) The anti-oxidative, anti-inflammatory, and protective effect of S100A8 in endotoxemia. (IADR, Seattle WA)
- 77) **Engeland CG***, Pyter L, McKenzie C, Yang L. (2012) Novel mechanisms by which social isolation

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- delays dermal wound healing in mice. Brain, Behavior, and Immunity, 26 S1: s21. (PNIRS, San Diego CA)
- 78) Pyter LM*, Yang L, **Engeland CG**. (2012) Sex modulates isolation-induced wound healing impariments in mice. Brain, Behavior, and Immunity, 26 S1: s26. (PNIRS, San Diego CA)
- 79) **Engeland CG***, Manos MP, Gajendrareddy PK, Marucha PT. (2012) Corticosteroid administration: Effects on mucosal wound healing. Psychosomatic Medicine, 74(3): A12. (APS, Athens Greece)
- Citation poster of high merit
- 80) Manos MP*, Gajendrareddy PK, Marucha PT, **Engeland CG**. (2012) Oral mucosal healing: Surgical implications regarding corticosteroid administration in dentistry. (American Dental Association [ADA], San Francisco CA)
- National Runner-up for DENTSPLY/Caulk Student Clinician Research Award
- 81) Manos M*, Gajendrareddy PK, Marucha PT, **Engeland CG**. (2012) Effects of corticosteroid administration on oral mucosal healing. (IADR, Tampa FL)
- National Finalist for IADR/Unilever Hatton Research Award
- 82) Gyllenhaal KA*, **Engeland CG**, Vecchio JC, Fischer DJ. (2012). Salivary biomarker concentrations in patients with intraoral lesions and controls. (IADR, Tampa FL)
- 83) Yang L*, Marucha PT, **Engeland CG**. (2011) Isolating mice slows wound healing. Brain, Behavior, and Immunity, 25 S2: s192. (PNIRS, Chicago IL)
- 84) Giurgescu,C*, Sanguanklin N, **Engeland CG**, White-Traut RC, Mathews HL, Witek-Janusek L (2011) Relationships among psychosocial factors, biomarkers, gestational hypertension, and preterm birth in African American women. (World Congress on Controversies in Obstetrics, Gynecology and Infertility [COGI], Paris France)
- 85) Giurgescu C*, **Engeland CG**, Zenk SN, Dancy BL (2011) Race-related stressors, inflammation and preterm birth in African American women. (COGI, Paris France)
- 86) Gyllenhaal KA*, **Engeland CG**, Vecchio JC, Fischer DJ. (2011) Salivary inflammatory mediators in patients with intraoral lesions versus controls. (IADR, San Diego CA)
- 87) Fischer D*, Gyllenhaal K, Vecchio J, **Engeland CG**. (2011) Comparison of salivary inflammatory mediator levels between four collection methods. (IADR, San Diego CA)
- IADR Salivary Research Award
- 88) McKenzie C*, Yang L, **Engeland CG**. (2011) Topical morphine delays wound closure, possibly by altering wound contraction. (IADR, San Diego CA)
- 89) Casey P*, Yang L, Carter S, **Engeland CG**. (2011) Oxytocin and stress effects on cutaneous wound healing in mice. (IADR, San Diego CA)
- 90) Yang L, Carter S, Marucha PT, **Engeland CG***. (2010) Oxytocin speeds healing in stressed mice. Brain, Behavior, and Immunity, 24 S2: s38. (PNIRS, Dublin Ireland)
- 91) **Engeland CG***, Marucha PT. (2010) Corticosteroid modulation of oral mucosal wound healing. Psychosomatic Medicine, 72(3): A54. (APS, Portland OR)
- 92) **Engeland CG***, Diab H, Marucha PT. (2009) Older individuals exhibit altered gene expression in wounded mucosa: A mechanism for age-impaired healing? Brain, Behavior, and Immunity, 23 S2: s35. (PNIRS, Breckenridge CO)

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- 93) **Engeland CG***, Fang Z, Marucha PT. (2009) Examination stress causes hyper-inflammation of the oral mucosa and slows healing. Psychosomatic Medicine, 71(3): A114. (APS, Chicago IL)
- APS Press Release
- 94) Edwards KM*, Bosch JA, **Engeland CG**, Cacioppo JT, Marucha PT. (2009) Elevated macrophage migration inhibitory factor (MIF) and flattened diurnal cortisol in individuals reporting high levels of depressive symptoms. Psychosomatic Medicine, 71(3): A134. (APS, Chicago IL)
- 95) Marucha PT*, Crosby TR, Bosch JA, **Engeland CG**. (2009) Salivary growth factors and risk factors for impaired mucosal healing. Psychosomatic Medicine, 71(3): A47. (APS, Chicago IL)
- 96) **Engeland CG***, Fang Z, Marucha PT. (2009) Students during examinations exhibit hyper-inflammation and slower healing of mucosal tissues. (Gordon Conference: Tissue Repair and Regeneration, New London NH)
- 97) Swayamprakasam, L*, Marucha PT, **Engeland CG**. (2009) Oral mucosal wound healing: Effect of psychological stress on gene expression for angiogenic factors. (Volpe Prize Competition, Columbus OH)
- National Finalist for Best Clinical Research in Periodontology
- 98) Diab H*, Marucha PT, **Engeland CG**. (2009) Older individuals exhibit early delays in gene expression in wounded oral mucosal tissue: A possible mechanism for age-impaired healing (ADA, Honolulu HI).
- National Finalist for DENTSPLY/Caulk Student Clinician Research Award
- 99) **Engeland CG***, Fang Z, Marucha PT. (2008) University examinations cause hyper-inflammation of mucosal tissues. Brain, Behavior, and Immunity, 22(4) S1: s28 (PNIRS, Madison WI)
- 100) Zyaei B*, **Engeland CG**, Marucha PT. (2008) Mucosal wound healing: The relationship with human sex hormones. Brain, Behavior, and Immunity, 22(4) S1: s29 (PNIRS, Madison WI)
- 101) Marucha PT*, Crosby TR, Bosch JA, **Engeland CG**. (2008) Gender, aging, stress, and salivary growth factors in mucosal wound healing. Brain, Behavior, and Immunity, 22(4) S1: s44 (PNIRS, Madison WI)
- 102) Marucha PT*, Fang Z, **Engeland CG**. (2008) Stress dysregulates plasma and tissue cytokines during human mucosal healing. Wound Repair and Regeneration, 16 (2): A49. (Wound Healing Society [WHS], San Diego CA)
- 103) **Engeland CG***, Fang Z, Marucha PT. (2008) The effects of stress on inflammation may be tissue specific. (International Society for Neuroimmunomodulation, Rio de Janeiro, Brazil)
- 104) Marucha PT*, Fang Z, **Engeland CG**. (2008) Stress dysregulates plasma cytokines during human mucosal healing. (IADR, Dallas TX)
- 105) **Engeland CG***, Fang Z, Marucha PT. (2007) Examination stress leads to hyper-inflammation of tissue and slower wound healing. Society for Neuroscience (SFN) Abstracts, 33: Program No. 733.16 (SFN, San Diego CA)
- 106) **Engeland CG***, Marucha PT. (2007) Biomarkers in blood predict wound healing rates. Brain, Behavior, and Immunity, 21(4) S1: (PNIRS, Arcachon France)
- 107) Burke JJ*, **Engeland CG**, Fang Z, Marucha PT. (2007) Age and gender effects on expression of angiogenic factors in human oral wound healing. (Volpe Prize Competition, Columbus OH)
- National Runner-up for Best Clinical Research in Periodontology
- 108) Rivera DS*, Fang Z, **Engeland CG**, Bosch JA, Marucha PT. (2007) Dysphoric females

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overexpress chemokines and adhesion molecules during wound healing. (IADR, New Orleans LA)

- 109) **Engeland CG***, Fang Z, Marucha PT. (2006) Examination stress relates to higher inflammatory cytokine expression and larger wound sizes in the oral mucosa. Brain, Behavior, and Immunity, 20(3) S1: s19-20 (PNIRS, Miami FL)
- 110) Friedstat JS, Marucha PT, Weber RJ, **Engeland CG***. (2006) Morphine delays wound healing in restraint stressed mice. Brain, Behavior, and Immunity, 20(3) S1: s22 (PNIRS, Miami FL)
- 111) Marucha PT*, Fang Z, **Engeland CG**. (2006) Stress-impaired mucosal wound healing in humans involves an early overexpression of chemokines and E-selectin. Brain, Behavior, and Immunity, 20(3) S1: s46 (PNIRS, Miami FL)
- 112) **Engeland CG***, Bosch JA, Cacioppo JT, Marucha PT. (2005) Age, gender and cortisol: Modulating effects on mucosal wound healing. SFN Abstracts, 31: Program No. 303.7 (SFN, Washington DC)
- SFN Press Release
- 113) Marucha PT*, **Engeland CG**, Shelton SE, Haraldsson HM, Quan N, Kalin NH. (2005) Amygdala lesions increase, while stress decreases, chemokine gene expression in the wound tissue of rhesus monkeys. SFN Abstracts, 31: Program No. 184.8 (SFN, Washington DC)
- 114) **Engeland CG***, Kalin NH, Shelton SE, Haraldson MH, Marucha PT. (2005) Amygdala lesions increase IL-8 and MIP-1a gene expression in dermal wound tissue. Wound Repair and Regeneration, 13(2): A44. (WHS, Chicago IL)
- 115) Sharma R*, **Engeland CG**, Fang Z, Marucha PT. (2005) Early pro-inflammatory cytokine expression during mucosal wound healing. Wound Repair and Regeneration, 13(2): A10. (WHS, Chicago IL)
- Award Finalist for best graduate research
- 116) Crosby TR*, **Engeland CG**, Bosch JA, Marucha PT. (2005) Depressed and lonely individuals express lower EGF and VEGF in saliva. Wound Repair and Regeneration, 13(2): A42. (WHS, Chicago IL)
- 117) **Engeland CG***, Kalin NH, Shelton SE, Haraldsson HM, Marucha PT. (2005) Amygdala lesions increase IL-8 and MIP-1a gene expression during tissue healing in primates. Brain, Behavior, and Immunity, 19(4) S1: e18-e19. (PNIRS, Denver CO)
- 118) Regis LA*, **Engeland CG**, Bosch JA, Cacioppo JT, Marucha PT. (2005) Depression symptom scores predict altered pro-inflammatory cytokine release and glucocorticoid resistance in non-depressed individuals. Brain, Behavior, and Immunity, 19(4) S1: e60-e61 (PNIRS, Denver CO)
- 119) Sharma R, **Engeland CG**, Fang Z, Marucha PT*. (2005) Excessive inflammation in females and older adults: relationship to delayed mucosal wound healing. Brain, Behavior, and Immunity, 19(4) S1: e64 (PNIRS, Denver CO)
- 120) Regis L*, **Engeland C**, Bosch J, Cacioppo J, Marucha P. (2005) Glucocorticoid resistance: A potential mechanism for impaired oral wound healing. (International Academy of Periodontology, Salvador Brazil)
- 121) **Engeland CG***, Cacioppo JT, Marucha PT. (2004) Stress hormones modulate the healing rates of oral wounds. Brain, Behavior, and Immunity, 18(3) S1: (PNIRS, Titisee Germany)
- 122) Marucha P*, **Engeland C**, Bosch J, Chou J, Cacioppo J. (2004) Adults with depressive symptoms have delayed healing and impaired angiogenic growth factor expression. Brain, Behavior, and

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Immunity, 18(3) S1: (PNIRS, Titisee Germany)

- 123) Marucha PT*, **Engeland CG**, Cacioppo JT. (2004) Wound healing is delayed in women and in the aged: A potential role for the HPA axis. Wound Repair and Regeneration, 12(2): A21. (WHS, Atlanta GA)
- 124) **Engeland CG***, Cacioppo JT, Marucha PT. (2004) Modulation of oral wound healing: A role for HPA activity. (International Behavioral Neuroscience Society [IBNS], Key West FL)
- 125) **Engeland CG***, Cacioppo JT, Marucha PT. (2004) Oral wound healing is impeded in women and in the aged: A potential role for stress hormones. (Midwest Regional Student Dental Research Conference, Iowa City IA)
- 126) **Engeland CG***, Cacioppo JT, Bosch JA, Marucha PT. (2003) Oral wound healing is delayed in the aged and in women. Brain, Behavior, and Immunity, 17(3): 173. (PNIRS, Amelia Island FL)
- 127) **Engeland CG***, Saber AJ, Ossenkopp K-P, Kavaliers M, Cain DP. (2002) Chronic icv infusion of lipopolysaccharide (LPS) elicits partial tolerance to peripheral LPS but does not alter water maze performance in rats. SFN Abstracts, 28: Program No. 875.14. (SFN, Orlando FL)
- 128) Franklin AE, **Engeland CG**, Kavaliers M, Ossenkopp K-P*. (2002) Day-night variations in the development of tolerance to and the hypoactivity effects of lipopolysaccharide in rats. SFN Abstracts, 28: Program No. 773.8. (SFN, Orlando FL)
- 129) Ossenkopp K-P*, Tenk CM, Martin L, **Engeland CG**, Kavaliers M. (2002) An automated place preference conditioning procedure using the Digiscan animal activity monitor. SFN Abstracts, 28: Program No. 875.16. (SFN, Orlando FL)
- 130) Tenk CM*, **Engeland CG**, Kavaliers M, Ossenkopp K-P. (2002) Place aversion conditioning and activity effects of LiCl in rats: Multivariate assessment. SFN Abstracts, 28: Program No. 875.17. (SFN, Orlando FL)
- 131) **Engeland CG***, Saber AJ, Cain DP, Ossenkopp K-P. (2002) The effects of chronic lipopolysaccharide-induced neuroinflammation on locomotor activity and water maze performance in rats. (IBNS, Capri Italy)
- 132) Ossenkopp K-P, Anderson S, **Engeland CG***, Kavaliers M. (2002) Influence of sex and breeding status on the behavior of meadow voles in the automated Digiscan light-dark anxiety test. (IBNS, Capri Italy)
- 133) Anderson S, **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2002) Effects of a brief exposure to fox odor on anxiety and locomotor activity levels in the light-dark test in male and female meadow voles. (IBNS, Capri Italy)
- 134) Franklin AE, **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2002) Hypoactivity and behavioral tolerance to lipopolysaccharide are differentially expressed across the light and dark periods in male and female rats. (IBNS, Capri Italy)
- 135) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2001) Stage of the estrous cycle modulates the development of tolerance to LPS-induced hypoactivity in the rat. SFN Abstracts, 27: Program No. 844.1. (SFN, San Diego CA)
- 136) Ossenkopp K-P*, Zaki KA, **Engeland CG**. (2001) Sex differences in sensitization of locomotor behaviors in rats following repeated injections of the D2 agonist, quinpirole. SFN Abstracts, 27: Program No. 648.5. (SFN, San Diego CA)

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- 137) Franklin AE*, **Engeland CG**, Kavaliers M, Shivers RR, Ossenkopp K-P. (2001) Day-night differences in endotoxin-induced hypoactivity and the development of behavioral tolerance. SFN Abstracts, 27: Program No. 843.1. (SFN, San Diego CA)
- 138) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2001) Endotoxin-induced locomotor decrements are critically mediated by time of day in male and female rats. Brain, Behavior, and Immunity, 15(2): 146-147. (PNIRS, Utrecht Netherlands)
- 139) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2001) Female sex hormones modulate the development of tolerance to LPS-induced activity decrements in naturally cycling rats. (PNIRS, Utrecht Netherlands)
- 140) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2001) The development of tolerance to LPS-induced hypoactivity in the rat varies across the estrous cycle. (IBNS, Cancun Mexico)
- 141) Ossenkopp K-P, Zaki KA, **Engeland CG***. (2001) Sensitization of locomotor behaviors with repeated quinpirole treatments: A model of compulsive behavior? (IBNS, Cancun Mexico)
- 142) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (2000) Reproductive status alters the development of tolerance to LPS-induced hypoactivity in meadow voles. (Canadian Symposium on Neuroimmune Biology, Winnipeg MB)
- 143) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2000) Time of day plays a critical role in the hypoactivity induced by lipopolysaccharide in male and female rats. SFN Abstracts, 26: 1180. (SFN, New Orleans LA)
- 144) Ossenkopp K-P*, Krieger D, Kent WDT, Cross-Mellor SK, **Engeland CG**. (2000) Reduced alcohol intake in rats chronically treated with disulfiram (antabuse). SFN Abstracts, 26: 1527. (SFN, New Orleans LA)
- 145) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (2000) Tolerance to LPS-induced hypoactivity is affected by reproductive status in female, but not male meadow voles. Brain, Behavior, and Immunity, 14(2): 93. (PNIRS, Wilmington NC)
- 146) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (2000) Reproductive status affects the development of behavioral tolerance to lipopolysaccharide in female, but not male meadow voles: A multivariate assessment of locomotor activity. (IBNS, Denver CO)
- 147) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1999) Singular and interactive effects of lipopolysaccharide and muramyl dipeptide on locomotor activity in female rats. (IBNS, Nancy France)
- 148) **Engeland CG***, Kavaliers M, Ossenkopp K-P. (1999) Changes in spontaneous locomotion induced by gram-negative and gram-positive bacterial compounds in female rats. SFN Abstracts, 25(2): 1446. (SFN, Miami Beach FL)
- 149) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1999) Singular and interactive effects of lipopolysaccharide and muramyl dipeptide on locomotor activity in female rats. (IBNS, Nancy France)
- 150) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1998) Singular and interactive effects of lipopolysaccharide and muramyl dipeptide on locomotor behavior in rats. SFN Abstracts, 24(2): 2075. (SFN, Los Angeles CA)
- 151) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1998) The effects of lipopolysaccharide and muramyl dipeptide on open field behaviour in rats. Journal of Neuroimmunology, 90(1): 39. (International Society of Neuroimmunology, Montreal PQ)

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- 152) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1998) The effects of bacterial agents on open field behaviour in rats. (Brain, Behaviour and Cognitive Sciences, Ottawa ON)
- 153) **Engeland CG***, Ossenkopp K-P, Kavaliers M. (1998) The effects of lipopolysaccharide (LPS) and muramyl dipeptide (MDP) on open field activity in rats. (IBNS, Richmond VA)

CONFERENCE SYMPOSIA (* Presenter)

Engeland CG*, Wright MA, Tennyson RL, Knight EL, Graham-Engeland JE. (2024) Inflammatory biomarkers in older adults: Stability, correlations, and components. In Reed R (Chair): *Methodological and Measurement Considerations and Innovations in Aging Biomarkers*. (APS, Brighton England)

Van Bogart K*, Witzel D, **Engeland CG**, Graham-Engeland JE. (2023). The role of mild cognitive impairment and marital status on the association between loneliness and intrusive thoughts among older adults in everyday life. In Witzel D (Chair): *Using Intensive Repeated Measurement to Determine the Emotional Consequences of Negative Relationship Experiences*. (GSA, Tampa FL)

Engeland CG* (*Invited speaker*) (2023) The importance of controlling, visualizing, and analyzing influential variables. *Educational Short Course: Understanding and Accounting for Influential Variables in PNI Research*. (PNIRS, Boulder CO)

Engeland CG* (*Invited speaker*) (2022) Pros and cons of performing research at an intersection of multiple disciplines. In Johnson KB (Chair): *Building and Leveraging Community Partnerships that Embrace Diversity, Enrich Discovery, and Reimagine Aging*. Emerging Scholars and Professional Organization (ESPO) Presidential Symposium. (GSA, Indianapolis IN)

Engeland CG* (*Chair*) (2021) *Preventing cognitive aging and dementia*. (Academy of Behavioral Medicine Research [ABMR], Scotts Valley CA)

Graham-Engeland JE*, **Engeland CG**, DeMeo N, VanBogart K. (2021) Negative mood in daily life as a predictor of inflammation: A stress story. In Graham-Engeland JE (Chair): *The interaction between cortisol and the immune system in health and disease*. (Invited plenary session for the International Society of Psychoneuroendocrinology [ISPNE], Virtual Conference)

Engeland CG* (*Discussant*) (2020) In Szabo YZ, Slavish DC (Co-Chairs): *Stress, health, and salivary markers of inflammation: An update and opportunities for future research*. (American Psychosomatic Society [APS], Long Beach CA)

Knight EL*, Majd M, Graham-Engeland JE, Smyth JM, Sliwinski MJ, **Engeland CG**. (2020) Gender differences in the link between depressive symptoms and ex vivo inflammatory responses are associated with markers of endotoxemia. In Juster R-P (Chair): *Gendered adrenals and guts?: Sex and gender roles in relation to cortisol reactivity and microbiome health*. (APS, Long Beach CA)

Engeland CG*, Marucha PT, Gajendrareddy PK. (2018) Stress, inflammation, and mucosal tissue repair. In Broadbent E (Chair): *How stress affects wound healing: Hormones, cytokines, gene expression, and immune cells*. (International Congress of Behavioral Medicine [ICBM], Santiago Chile)

Engeland CG*, Smyth J, Slavish D, Graham JE. (2013) Lessons learned from the bench: Relating salivary to blood-based inflammatory markers. In Graham JE (Chair), **Engeland CG**, Smyth J (Co-Chairs): *Beyond salivary cortisol: Salivary biomarkers of immune function and stress at the cutting edge*. (APS, Miami FL)

Engeland CG*, Yang L, Pyter LM, McKenzie C. (2012) Isolation stress: Rethinking the mechanisms of stress-impaired healing. In Walker FR (Chair): *Stress, inflammation, neuroinflammation and behavior: Causes, consequences and treatment*. (International Behavioral Neuroscience Society [IBNS], Kona HI)

FEATURED SPEAKER - NATIONAL

- 2024: **Stress, inflammation, and health: How stress gets under your skin.**
(Noll Seminar Lecture, PSU, University Park PA)
- 2023: **Cognitive decline and dementia risk in older adults.**
(Seminar Series, Center of Geriatric Nursing Excellence, University Park PA)
- 2022: **The quest for early detection in Alzheimer's disease: What blood-based biomarkers and cognitive tests might tell us.** (Institute of Gerontology: Research Colloquium and Professional Development Seminar Series, Wayne State University, Detroit MI)
- 2022: **The utility of blood- and saliva-based biomarkers in biomedical research.**
(Center of Geriatric Nursing Excellence, University Park PA)
- 2019: **Psychological stress, wound healing, and mucosal immunity.**
(Children's Research Institute, Children's Hospital of Wisconsin, Milwaukee WI)
- 2018: **Psychological stress and wound healing.** (Psychology Dept., University of Texas, El Paso TX)
- 2016: **The effects of psychological stress on wound healing and mucosal immunity.**
(Family Medicine Seminar Series, Mount Nittany Medical Center, State College PA)
- 2015: **Things the oral cavity can tell us about mucosal and systemic immunity.**
(Regenerative Sciences Seminar, Center for Wound Healing, UIC, Chicago IL)
- 2015: **Stress and inflammation: Interpreting measures from the oral cavity.**
(Institute for Behavioral Medicine Research, Ohio State Wexner Medical Center, Columbus OH)
- 2015: **Stress and inflammation: What can we learn from wound healing and saliva?**
(Noll Seminar Lecture, PSU, University Park PA)
- 2015: **Differentiating between types of dementia: What if it's not Alzheimer's?**
(Geriatric Interest Network – Spring Conference, Altoona PA)
- 2015: **Biodemography of exceptional longevity.**
(22nd Annual Methodology Workshop – Population Research Institute, PSU, University Park PA)
- 2015: **Mucosal immunology and tissue repair.**
(Risk of Adolescence & Mucosal Injury in HIV Susceptibility, NIH/NIAID Workshop, Rockville MD)
- 2014: **Influence of stress, inflammation, and gender on surgical wound healing.**
(American Association of Endodontists (AAE) Annual Meeting, Washington DC)
- 2014: **Stress and wound healing.** (CHHD/CON Seminar Series, PSU, University Park PA)
- 2013: **Stress, inflammation, and tissue repair.**
(Dept. Microbiology & Immunology, Milton S. Hershey Medical Center, Hershey PA)
- 2013: **Psychological stress: Effects on inflammation and tissue repair.**
(Dept. Microbiology & Immunology, Loyola University, Chicago IL)
- 2013: **Psychological stress & tissue repair.** (Dept. Anatomy & Cell Biology, Rush Hospital, Chicago IL)
- 2013: **Stress, inflammation and wound healing.** (Wound Healing Center, UIC, Chicago IL)

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2012: **Inflammation, stress, and healing.** (Dept. of Physical Therapy, UIC, Chicago IL)

2010: **Factors which modulate mucosal healing.**

(Advances in Cancer Detection & Therapeutics, Seminar Series, Northern IL Univ., DeKalb IL)

2009: **Health disparities in oral mucosal healing.** (Chicago Section of the IADR, Chicago IL)

2009: **Health disparities in oral mucosal healing.** (Behavior & Health Seminar Series, UIC, Chicago IL)

2007: **Oral wound healing: Stress and inflammation.**

(Academy of Behavioral Medicine Research, Park City UT)

2007: **Stress and wound healing.** (Kinesiology & Nutrition, Departmental Series, UIC, Chicago IL)

FEATURED SPEAKER - INTERNATIONAL

2021: **How stress affects tissue repair and immunity in the oral cavity.**

(Department of Periodontics and Oral Medicine, University of Pretoria, Pretoria, South Africa)

2018: **Effects of social isolation on wound healing and immunity in male and female mice.**

(Swiss Laboratory Animal Science Association [SGV], Lausanne Switzerland)

2009: **Stress and mucosal healing.** (Children's Hospital, Dept. of Immunology, Utrecht, Netherlands)

2008: **Stress, age, gender: Modulation of mucosal healing.**

(Universidade Federal do Rio Grande do Sul, School of Dentistry, Porto Alegre, Brazil)

MEDIA COMMENTARY

- PsyPost article on depression, sleep quality, and inflammation. Sept 4, 2022
<https://www.psypost.org/2022/09/impaired-sleep-quality-may-help-explain-the-long-term-effects-of-depressive-symptoms-on-inflammation-63852>
- Interviewed as scientific expert for Altoona Mirror - Vaccines important as one ages. Feb 4, 2018
- Interviewed on Alzheimer's disease for WTAJ-TV News – Healthcast. Aired April 24, 2015
- Interviewed as scientific expert for Labrinth on Dutch TV network VPRO. Aired April 14, 2013
- Interviewed as scientific expert for Bottom Line's Daily Health News. July 16, 2009
- Interviewed as scientific expert for Health magazine. Article in Issue: June 2007, p. 90

PROFESSIONAL MEMBERSHIPS (INTERNATIONAL SOCIETIES)

Fellow of the Academy of Behavioral Medicine Research (ABMR)	2019 - Present
American Psychosomatic Society (APS)	2010 - Present
Federation of Associations in Behavioral and Brain Sciences (FABBS)	2019 - Present
Gerontological Society of America (GSA)	2020 - Present
International Behavioral Neuroscience Society (IBNS)	1998 - Present
International Society of Behavioral Medicine (ISBM)	2019 - Present
International Society to Advance Alzheimer's Research and Treatment (ISTAART)	2022 - Present
Psychoneuroimmunology Research Society (PNIRS)	1999 - Present
Society for Neuroscience (SFN)	1998 - Present
Wound Healing Society (WHS)	2008 - Present

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EDITORIAL BOARD (IF = impact factor)

Brain, Behavior, & Immunity - Health (IF not yet determined)	2019 - Present
Brain, Behavior, and Immunity (IF 19.23)	2016 - Present
Health Psychology (IF 3.46)	2011 - 2014
Encyclopedia of Behavioral Medicine <i>As an author of a section in this Encyclopedia (Editions I and II), I serve as a consulting editor.</i>	2012 - Present

SCIENTIFIC REVIEWER (Ad hoc) (44 journals)

AIDS Care; Behavioural Brain Research; Biological Psychology; Brain, Behavior, and Immunity; Brain, Behavior, & Immunity - Health; Brain Sciences; British Journal of Health Psychology; Cellular and Molecular Life Sciences; Clinical and Experimental Pharmacology and Physiology; European Journal of Integrative Medicine; Frontiers in Immunology; Frontiers in Surgery; Health Psychology; Hormones and Behavior; Human Immunology; International Journal of Behavioral Medicine; International Journal of Neuropsychopharmacology; International Journal of Psychophysiology; Journal of Affective Disorders; Journal of Cell Biology; Journal of Dental Education; Journal of Endocrinology; Journal of Gerontology: Psychological Sciences; Journal of Integrative Neuroscience; Journal of Neuroimmunology; Journal of Psychosomatic Research; Journal of Wound Care; Nature Reviews Immunology; Neurobiology of Aging; Neuroimmunomodulation; Obesity; OBM-Neurobiology; Oxford Bibliographies in Psychology; Pharmacology, Biochemistry and Behavior; Physiology & Behavior; PLOS ONE; Proceedings of the National Academy of Sciences; Psychoneuroendocrinology; Psychophysiology; Psychosomatic Medicine; Scientific Reports; Vaccine; Women's Health Issues; Wound Repair and Regeneration

GRANT REVIEWS – REGIONAL

Penn State University Commonwealth Campus
Faculty Grant Writing Workshop (2021)

Penn State University
Clinical and Translational Science Institute (CTSI) – Grant applications (2016, 2023)

Fellowship Review – UIC
Chancellor's Graduate Research Fellowship applications, Graduate College (2011, 2012)

GRANT REVIEWS - NATIONAL

NIH NIA Grant Review Panel – Collaborative Multicomponent Award
Review of NIH U19 renewal application.

NIH NIA Grant Review Panel - Special Emphasis
Review of applications submitted in response to PAR-20-070 and PAR-20-071: "Development and Utilization of Research Infrastructure for Interdisciplinary Aging Studies" (2022)

NASA Johnson Space Center, Human Research Program (Artemis Mission)
Merit evaluation and logistical design feedback of NASA's plan to assess astronaut immunity, via saliva and blood bio samples, during manned missions to the Moon and eventually Mars (2021, 2022)

Pre-review (NIH R01) – Center for Wound Healing and Tissue Regeneration, UIC (2022)

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Department of Defense Military Operational Medicine Research Program (MOMRP) Review Panel
Review of applications for Psychological Health and Readiness (PHR) of the 2021 MOMRP (2020)

NIH NIAID Grant Review Panel

Review of applications submitted under RFA "Risk of Adolescence and Injury in HIV Susceptibility" (2016)

Department of Defense Gulf War Illness (GWI) Review Panel

Review of applications for GWI Clinical Partnership, Epidemiology, and Treatment Evaluation (2016)

NIH Steering Committee

Office of Research on Women's Health (ORWH): 2009

GRANT REVIEWS - INTERNATIONAL

Research Institute of Medical and Health Sciences, University of Sharjah, United Arab Emirates

Project Grant applications (2022)

Committee on Research and Development, Education University of Hong Kong

Research Grants Council's General Research Fund / Early Career Scheme applications (2016)

Auckland Medical Research Foundation, New Zealand

Project Grant applications (2014)

SERVICE AT CONFERENCES * Founded this annual research conference.

President (Elected) Psychoneuroimmunology Research Society (PNIRS) 2023-2024

President-Elect (Elected) PNIRS 2022-2023

Executive Committee (Elected) PNIRS 2022-2025

Board of Directors (Elected) PNIRS 2015-2018, 2022-2025

Constitutions & Bylaws Committee (Elected) PNIRS 2022-2025

Board of Directors (Chair) PNIRS 2023-2024

Executive Committee (Chair) PNIRS 2023-2024

Scientific Affairs Committee (Chair) PNIRS 2023-2024

Constitutions & Bylaws Committee (Chair) PNIRS 2023-2024

Membership Committee (Chair) PNIRS 2022-2023

Scientific Affairs Committee PNIRS 2005-2007, 2010-2011, 2016-2017, 2022-2025

Financial Committee PNIRS 2012-2015, 2022-2025

Membership Committee PNIRS 2016-2018

Training Committee PNIRS 2015-2017, 2023-2024

Membership & Communications Committee Intl. Behavioral Neuroscience Society (IBNS) 2012-2015

Scientific Program Committee American Psychosomatic Society (APS) 2009

Student Representative (Elected) IBNS 2001-2002

Local Organizer 18th Annual Meeting of the PNIRS, Chicago IL, June 8-11 2011

Lead Organizer* 4th Annual Illinois Brain Behavior & Immunity Meeting, Chicago IL, Dec 2-3 2011
3rd Annual Illinois Brain Behavior & Immunity Meeting, Chicago IL, Dec 3-4 2010
2nd Annual Illinois Brain Behavior & Immunity Meeting, Chicago IL, Dec 5-6 2009

COMMITTEE POSITIONS * Founded this annual (ongoing) research meeting.

College – Chair

Sabbatical Leave Review Committee	PSU College of Health and Human Development: 2021
Biological and Life Sciences Research Group	PSU College of Health and Human Development: 2017-2019
Post-Doctoral Research Forum (Sole Organizer - Monthly)	UIC College of Dentistry, 2005-2008

College – Member

Review Committee of the Biomarker Core Laboratory	PSU College of Health and Human Development: 2022-2023
Nursing Research PhD Council	PSU College of Nursing: 2014-Present
MSN Council	PSU College of Nursing: 2015-2021
Graduate Affairs Committee	PSU College of Nursing: 2015-2021
Sabbatical Leave Review Committee	PSU College of Nursing: 2014-2019
Search Committee – CIHRI Director	PSU College of Health and Human Development: 2020
Task Force – Center for Individualized Health Research and Intervention (CIHRI)	PSU College of Health and Human Development: 2017-2018
Search Committee – Open Rank Executive Committee (Elected)	PSU College of Health and Human Development: 2017
Faculty Bylaws Ad Hoc Committee	PSU College of Nursing: 2014
Diversity Advisory Committee	UIC College of Dentistry: 2010-2012, 2012-2013
Diversity Standards Committee	UIC College of Dentistry: 2011-2013
Graduate Affairs Committee	UIC College of Dentistry: 2011-2013
Student Representative (Elected)	UIC College of Dentistry: 2008-2011
	University of Western Ontario (UWO): 2000-2001, 2001-2002

Department – Chair

Search Committee – Open Rank (BBH-Huck Neurotoxicological)	PSU Dept. Biobehavioral Health: 2022-2023
Search Committee – Open Rank (Substance Abuse)	PSU Dept. Biobehavioral Health: 2018-2019
Research Committee	PSU Dept. Biobehavioral Health: 2017-2019, 2020-2021
Founder's Day Committee*	PSU Dept. Biobehavioral Health: 2015-2019
Colloquium Committee (BBH 590)	PSU Dept. Biobehavioral Health: 2014-2017

Department – Member

Diversity Committee	PSU Dept. Biobehavioral Health: 2022-2023
Graduate Program	PSU Dept. Biobehavioral Health: 2021-2022
Research Committee	PSU Dept. Biobehavioral Health: 2016-2017
Undergraduate Program Committee	PSU Dept. Biobehavioral Health: 2013-2017, 2023-2024
Advisory Committee (Elected)	PSU Dept. Biobehavioral Health: 2016
Executive Committee (Elected)	PSU Dept. Biobehavioral Health: 2014-2015
Search Committee – Open Rank	PSU Dept. Biobehavioral Health: 2014
Graduate Studies Committee	UIC Program of Neuroscience: 2009-2013

AWARDS AND COMPETITIVE SCHOLARSHIPS (* Canadian dollars)

Name of Award	Value/Year	Type	Location	Held/Awarded
Janet Williamson Award for Excellence in Teaching (Nursing)		Institutional	PSU	04 / 2021

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Journal of Midwifery & Women's Health Best Research Article of the Year		International	PSU	05 / 2016
Faculty Scholarship Award (Research)	\$1,000	Institutional	UIC	02 / 2013
PNIRS Research Scholars Award	\$1,000	International	UIC	06 / 2005
PNIRS Research Scholars Award	\$1,000	International	UIC	05 / 2004
1st Place Postdoctoral Research	\$ 150	Institutional	UIC	02 / 2004
IBNS Research Scholars Award	\$1,000	International	UWO	06 / 2002
IBNS Research Scholars Award	\$1,000	International	UWO	04 / 2001
IBNS Research Scholars Award	\$ 500	International	UWO	04 / 2000
Accuscan SFN Research Award	\$ 200	International	UWO	11 / 2001
Accuscan SFN Research Award	\$ 200	International	UWO	11 / 2000
Accuscan SFN Research Award	\$ 200	International	UWO	11 / 1999
Ontario Graduate Scholarship	\$15,000*	Provincial	UWO	2001-2002
	\$11,859*	Provincial	UWO	2000-2001
(OGS) – plus tuition waver	\$11,859*	Provincial	UWO	1999-2000
Ontario Graduate Scholarship in Science and Technology	\$15,000*	Provincial	UWO	2000-2001
(Both declined in place of OGS)	\$15,000*	Provincial	UWO	1999-2000

SUPERVISORY/MENTORING HISTORY (Sections are in chronological order)

Trainee Institution Project or Position Field of Study

Undergraduate Students (Thesis or Independent Study only):

* Anna Capria	PSU	Schreyer Honors Thesis	Biobehavioral Health
* Marlisa J. Shaw	PSU	Schreyer Honors Thesis	Eberly College of Science
Andrew Franklin	UWO	Undergraduate Thesis	Neuroscience
Julia Flook	UWO	Independent Study	Neuroscience
Sara Little	UWO	Independent Study	Neuroscience
Daniel Nielsen	UWO	Undergraduate Thesis	Neuroscience
Kashif Zaki	UWO	Undergraduate Thesis	Neuroscience
Desmond Cheung	UWO	Undergraduate Thesis	Neuroscience

Graduate Students:

* Claudette Kessler	PSU	PhD Student	Biobehavioral Health
Leila Mousavi	PSU	PhD student (summer GRA)	Biobehavioral Health
* Angelica Hutchinson	PSU	PhD Student	Biobehavioral Health
+ Zachary Zang	PSU	PhD Student (T32)	Child Maltreatment Science
+ Riki Slayday	PSU	PhD Student (T32)	Center for Healthy Aging
* Molly Wright	PSU	PhD Student	Biobehavioral Health
* Brooke Mattern ²	PSU	PhD Student	Biobehavioral Health
+ Emily Jones ¹	PSU	PhD Student (F31)	Biobehavioral Health
+ Emily Dove-Medows	Wayne State	PhD Student	Nursing
+ Jinshil Hyun ²	PSU	PhD Student (T32)	Center for Healthy Aging
+ Hyunju Yang ¹	PSU	PhD Student	Nursing
+ Lisa Shank ¹	Wash. DC	PhD Student (F31)	Medicine & Clinical Psychology

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* Marzieh Majd ^{2,3}	PSU	PhD Student	Biobehavioral Health
Ritu Sharma	UIC	Master's Thesis	Bioengineering
Lara Regis	UIC	Master's Thesis	Oral Sciences
Antonia Savarese	UIC	PhD rotation	Neuroscience
James Chou	OSU	Master's Thesis	Oral Biology
Sari Anderson	UWO	Independent Study	Neuropsychology
Andrew Franklin	UWO	Master's Thesis	Neuroscience

Medical Students:

+ Liane Hunter ¹	Bronx NY	MD Student (F31)	Medicine (Einstein Med. Coll.)
Jon Friedstat ¹	UIC	James Scholar Research	Medicine (Surgery)
Donnie Rivera ¹	UIC	Independent Study	Dentistry
* Hiba Diab ^{1,2}	UIC	Summer Dental Research	Dentistry
* Houman Ebrahimi	UIC	Summer Dental Research	Dentistry
* Patty Casey	UIC	Summer Dental Research	Dentistry
* Cassandra McKenzie ²	UIC	Summer Dental Research	Dentistry
* Marc Manos ^{1,2}	UIC	Summer Dental Research	Dentistry
Kelley Gyllenhaal ^{1,2}	UIC	Summer Dental Research	Dentistry
* Sara Mahmood	UIC	Summer Dental Research	Dentistry
* Shohreh Raouf ²	UIC	Summer Dental Research	Dentistry

Medical Residents:

* Andrew Monesterio	UIC	Master's Thesis	Oral Sciences (Periodontics)
* Logesh	UIC	Master's Thesis	Oral Sciences (Periodontics)
Swayamprakasam ²			
Bahareh Sabzehei ¹	UIC	Master's Thesis	Oral Sciences (Periodontics)
Jeffrey Burke ¹	UIC	Master's Thesis	Oral Sciences (Periodontics)
Tricia Crosby	UIC	Master's Thesis	Oral Sciences (Periodontics)

Post-doctoral Fellows:

* Robert Tennyson	PSU	Post-Doctoral Fellow	Center for Healthy Aging
+ Dakota Witzel	PSU	Post-Doctoral Fellow (T32)	Center for Healthy Aging
* Erin Harrington ⁴	PSU	Post-Doctoral Fellow	Biobehavioral Health
+ Suzanne Hyer	UCF	Post-Doctoral Fellow (F32)	Nursing, Univ. Central Florida
* Erik Knight ^{1,4}	PSU	Post-Doctoral Fellow (T32)	Center for Healthy Aging
+ Nancy Sin ^{1,5}	PSU	Post-Doctoral Fellow (F32)	Biobehavioral Health
+ Anna Stanhewicz ^{1,4}	PSU	Post-Doctoral Fellow (K99/R00)	Kinesiology
* Leah Pyter ^{2,5}	UIC	Research Assistant Professor	Psychoneuroimmunology

Tenure-track Faculty:

Samuele Zilioli	Wayne State	Assistant Professor	Psychology
+ Dahlia Mukherjee ^{1,2}	PSU	Assistant Professor	Psychiatry (Hershey)
^ Autumn Kujawa ²	PSU	Assistant Professor	Psychiatry (Hershey)
+ Aprile Benner	Austin TX	Assistant Professor	HDFS (Univ. Texas at Austin)

International Scholars (Visiting Internship):

+ Gustavo Nascimento	UIC	Research Scholar (12 wks)	Dentistry (Brazil)
* Linglan Yang ²	UIC	PhD Research (2 yrs)	Oral Sciences (China)
+ Roger Junges	UIC	Research Scholar (6 wks)	Dentistry (Brazil)
+ Jose M. da Rocha	UIC	PhD Research (1 yr)	Oral Sciences (Brazil)

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* Primary mentor

+ Co-mentor

^ Consultant

¹ National/International award recipient (based on mentored research)

² Regional award recipient (based on mentored research)

³ Recipient of the prestigious Penn State Alumni Association Dissertation Award

⁴ Now a tenure-track faculty member

⁵ Now a tenured faculty member

NIH TRAINING PROGRAMS

Faculty Mentor – NIH T32 Training Grant - Child Maltreatment Science 2020 - Present

Faculty Mentor – NIH R25 HL147668 Training Program - College of Nursing 2019 - Present

Faculty Mentor – NIH T32 049676 Training Grant - Center for Healthy Aging 2015 - Present

GRADUATE EXAMINATION COMMITTEES (* Chair)

Candidacy/Qualifying Examination Committee (PhD):

Claudette Kessler* (PSU - BBH)

Caitlin Givens (PSU - BBH)

Lauren Chu (PSU - BBH)

Brooke Mattern* (PSU - BBH)

Marzieh Majd* (PSU - BBH)

Francisco Alejandro Montiel-Ishino (PSU - BBH)

Preliminary Examination Committee (PhD):

Mateusz Wietecha (UIC - Neuroscience)

William Kenkel (UIC - Oral sciences)

Comprehensive Examination Committee (PhD):

Molly Wright* (PSU - BBH)

Samantha Vervoordt (PSU - Clinical Psychology)

Julia Kelliher (PSU - Nutritional Sciences)

Brooke Mattern* (PSU - BBH)

Kristin Davis (PSU - BBH)

Emily Jones (PSU - BBH)

Marzieh Majd* (PSU - BBH)

Francisco Alejandro Montiel-Ishino (PSU - BBH)

Hyunju Yang (PSU - College of Nursing)

Dissertation Examination Committee:

Yo-Jen Liao (PhD) (PSU – College of Nursing)

Kristin Davis (PhD) (PSU - BBH)

Brooke Mattern (PhD)* (PSU - BBH)

Julia Kelliher (PhD) (PSU - Nutritional Sciences)

Samantha Vervoordt (MS) (PSU - Neuroscience)

Emily Jones (PhD) (PSU - BBH)

Marzieh Majd (PhD)* (PSU - BBH)

Hyunju Yang (PhD) (PSU - College of Nursing)

Andrew Monestero (MS) (UIC - Periodontics)

Whitney Dunn-Weiner (MS) (UIC - Periodontics)

William Kenkel (PhD) (UIC - Psychology)

Logesh Swayamprakasam (MS)* (UIC - Periodontics)

Bahareh Sabzehei (MS) (UIC - Periodontics)

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Lara Regis (MS) (UIC - Periodontics)
Tricia Crosby (MS) (UIC - Periodontics)
Jeffrey Burke (MS) (UIC - Periodontics)

TEACHING (FACULTY MEMBER)

Course Instructor – PSU (* Created course)

Functional and Integrative Neuroscience (BBH 470)	2021
* Neuropathology & Neuroimaging (NURS 597a: Special Topics - Graduate)	2015, 2018, 2021
Neuroanatomical Bases for Disorders of Behavior and Health (BBH 468)	2014, 2015, 2017, 2019, 2023
* Biology of Aging (BBH 597: Special Topics – Graduate)	2018, 2022
Biobehavioral Aspects of Stress (BBH 432)	2016

Student Mentoring for Course Credit – PSU

Research Project (BBH 494)	2014-2016, 2019-2021
Independent Studies (BBH 496)	2016
Individual Studies - Graduate (NURS 596)	2015

Guest Lecturer – PSU

Professional Development in BBH (BBH 597)	2018-2019, 2021, 2023
Orientation to Graduate Study in BBH (BBH 597)	2017-2021
Biobehavioral Aspects of Aging (BBH 497 005)	2017-2019
Research Integrity & Scholarly Ethics (RISE 597)	2019
Biobehavioral Systems in Health and Development (BBH 503)	2016-2019
Biobehavioral Aspects of Stress (BBH 432)	2016, 2017
Research Colloquium (NURS 590)	2015
Interdisciplinary Integration in Biobehavioral Health (BBH 311)	2014, 2015
Quantitative Methods in Health Research (NURS 586)	2014

Course Director & Instructor – UIC

Statistics for Oral Sciences (OSCI 441)	2013
Statistics for Dental Residents (OSCI 594)	2009-2012
Introduction to Quantitative Data Analysis (MHPE 494)	2008

Course Director – UIC

Oral Science Seminar Series (OSCI 595)	2012-2013
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Course Facilitator – UIC

Small Group Learning [SGL] – Dental Undergraduate Students

Applied Oral & Behavioral Sciences III (DAOB 311)	2013
Applied Oral & Behavioral Sciences II (DAOB 311)	2012
Biomedical & Clinical Sciences IV (DBCS 314)	2012
Biomedical & Clinical Sciences I (DBCS 311)	2011
Applied Oral & Behavioral Sciences I (DAOB 311)	2011

Course Lecturer in Immunology – UIC

2012-2013

Content Expert in Immunology – UIC

2012-2013

Guest Lecturer – UIC

Introduction to Clinical and Translational Science (HON 201)
Topics in Social Epidemiology (EPI 594)
Kinesiology and Nutrition (HN 595)
Stress and Health Outcomes (NUSC 594)
Special Topics in Oral Sciences – Wound Healing (Nerve Damage & Regeneration) (OSCI 594)

OTHER TEACHING ENDEAVORS

Full-day Seminar Lecturer – Institute for Brain Potential (2019–Present)

I have developed a full-day seminar on the mind-body connection in health. I present this numerous times per year to a variety of medical/health professionals, who earn Continuing Education (CE) credits.

Teaching Assistant – University of Western Ontario, London, Ontario, Canada (1997–2002)

Taught undergraduate courses:

- Globalization (Business School)
- Research Methods & Design (Psychology)
- Animal Behavior Laboratory & Techniques (Psychology)

High School Teacher – Psychology (1994–1996)

Continuing Education Centre, Philemon Wright High School, Hull, Quebec, Canada

OTHER RESEARCH ENDEAVORS

Judge – PSU

Founder's Endowment for Excellence and Innovation Research Day, BBH (2022)

Judge – UIC

Clinic and Research Day, College of Dentistry (2010, 2012, 2013)

Panelist/Discussant – UIC

- UIC Postdoctoral Association Career Development (2013)
- 1st Annual Meeting of the American College of Wound Healing and Tissue Repair (2011)
- Center for Clinical and Translational Sciences Intensive Summer Program.
 - Overcoming the Pitfalls of Clinical Research: Critical Factors for Success (2008, 2009, 2011, 2012)

Faculty Mentoring Training Program – UIC (Completed in 2010)

Research Assistant

In the animal laboratory of Case Vanderwolf, Ph.D. (Neuroscience)
University of Western Ontario, London, Ontario, Canada (1996–1997)

Research Assistant

In the clinical office of Mark Ferland, Ph.D. (Clinical Neuropsychology)
St. Vincent's Hospital, Department of Psychology, Ottawa, Ontario, Canada (1994–1996)