

Kathleen E. Hupfeld

PHD CANDIDATE · NEUROMOTOR BEHAVIOR LABORATORY

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Education

PhD in Health & Human Performance

UNIVERSITY OF FLORIDA

Gainesville, FL
2021 (Anticipated)

- Concentration: Biobehavioral Science - Motor Control and Learning
- GPA: 4.00
- Advisor: Rachael Seidler, PhD

B.S. in Exercise Science, Neuroscience Minor

ELON UNIVERSITY

Elon, NC
2016

- GPA: 3.99 (summa cum laude)
- Advisor: Caroline Ketcham, PhD
- Honors thesis: The effects of transcranial direct current stimulation (tDCS) on motor behaviors
- Study abroad: Curtin University, Perth, Western Australia (Fall 2014); International Studies in Ghana (Winter 2014); Science Education and Development in India (Winter 2015)

Research Fellowships

NIH/NIA: F99/K00 Transition to Aging Research Award

FELLOWSHIP RECIPIENT | F99AG068440

Gainesville, FL
F99: 2020-2022
K00: 2022-2026

- Cortical inhibition and mobility in older adults
- F99: \$24,816 stipend/yr, \$4,500 tuition & courses, \$1,500 travel
- K00: \$50-56,000 stipend/yr, \$5,000 research, \$1,500 travel

T32 Interdisciplinary Training in Movement Disorders & Neurorestoration

FUNDED TRAINEE | T32NS082128

Gainesville, FL
2019-2020

- \$24,816 stipend/yr, full tuition, \$500/yr travel, \$1,000/yr research

National Science Foundation Graduate Research Fellowship

FELLOW | DGE-1315138, DGE-1842473

Gainesville, FL
2016-2021

- \$34,000/yr stipend (\$102,000 total), \$12,000/yr tuition (\$36,000 total), 3 yrs

Phi Kappa Phi Marcus L. Urann Fellowship

FELLOW

Gainesville, FL
2016

- \$15,000 towards graduate study
- Selected as 1 of 6 students nationally

Elon University Lumen Fellow

FELLOW

Elon, NC
2014-2016

- \$15,000 research and study abroad funding
- Selected as 1 of 15 students university-wide

Elon University Kenan Scholar

SCHOLARSHIP RECIPIENT

Elon, NC
2012-2016

- ~\$30,000/yr for 4 years (~\$120,000 total): full tuition for undergraduate study
- Sole recipient among the Elon University Class of 2016

Publications

10. **Hupfeld KE**, McGregor HR, Reuter-Lorenz PA, Seidler RD. (Accepted). Microgravity effects on the human brain: Adaptive plasticity and dysfunction. *Neuroscience and Biobehavioral Reviews*.
9. **Hupfeld KE**, Swanson C, Fling BW, Seidler RD. (2020). TMS-induced silent periods: A review of methods and call for consistency. *Journal of Neuroscience Methods*, 108950.

8. **Hupfeld KE**, McGregor HR, Lee JK, Beltran NE, Kofman IS, De Dios YE, Reuter-Lorenz PA, Riascos R, Pasternak O, Wood SJ, Bloomberg JJ, Mulavara AP, Seidler RD. (2020). The impact of 6 and 12 months in space on human brain structure and intracranial fluid shifts. *Cerebral Cortex Communications*. 1(1):tgaa023
7. Salazar AP, **Hupfeld KE**, Lee JK, Beltran NE, Kofman IS, De Dios YE, Mulder E, Bloomberg JJ, Mulavara AP, Seidler RD. (2020). Neural working memory changes during a spaceflight analog with elevated carbon dioxide: A pilot study. *Frontiers in Systems Neuroscience*, 14:48.
6. **Hupfeld KE**, Lee JK, Gadd NE, Kofman IS, De Dios YE, Bloomberg JJ, Mulavara AP, Seidler RD. (2020). Neural correlates of vestibular processing during a spaceflight analog with elevated carbon dioxide (CO₂): A pilot study. *Frontiers in Systems Neuroscience*, 13:80.
5. **Hupfeld KE**, Abagis TR, Shah P. (2019). Living “in the zone”: Hyperfocus in adult ADHD. *ADHD Attention Deficit and Hyperactivity Disorders*, 11(2): 191–208.
4. **Hupfeld KE**, Vaillancourt DE, Seidler RD. (2018). Genetic markers of dopaminergic transmission predict performance for older males but not females. *Neurobiology of Aging*, 66: 180–e11.
3. **Hupfeld KE**, Ketcham CJ, Schneider HD. (2017). Transcranial direct current stimulation (tDCS) to the supplementary motor area (SMA) influences performance on motor tasks. *Experimental Brain Research*, 235(3): 851–859.
2. **Hupfeld KE**, Ketcham CJ, Schneider HD. (2017). Transcranial direct current stimulation (tDCS) to Broca’s area: Persisting effects on non-verbal motor behaviors. *Neurological Disorders and Therapeutics*, 1(1): 1–5.
1. **Hupfeld KE**, Ketcham CJ. (2016). Behavioral effects of transcranial direct current stimulation on motor and language planning in minimally verbal children with autism spectrum disorder (ASD): feasibility, limitations and future directions. *Journal of Childhood Developmental Disorders*, 2(10.4172): 2472–1786.

Manuscripts Under Review & In Preparation

* Undergraduate and post-bac mentees

Under Review

3. **Hupfeld KE**, Abagis TA, Tran Q, Osborne J, Shah P. (*under review at Frontiers for Young Minds*). Hyperfocus: The ADHD Superpower.
2. **Hupfeld KE**, Hyatt HW, Alvarez Jerez P*, Mikkelsen M, Hass CJ, Edden RAE, Seidler RD, Porges EC. (*under review*). *In vivo* brain glutathione is higher in older age and correlates with mobility. *bioRxiv*, <https://doi.org/10.1101/2020.10.14.339507>
1. Fettrow T, **Hupfeld KE**, Tays G, Clark DJ, Reuter-Lorenz PA, Seidler RD. (*under review*). Brain activity during walking in older adults: Implications for compensatory versus dysfunctional accounts. *PsyArXiv*, 10.31234/osf.io/p6z3s

In Preparation

2. Mahadevan A*, **Hupfeld KE**, Lee JK, Kofman IS, De Dios YE, Beltran NE, Mulder E, Bloomberg JJ, Mulavara AP, Seidler RD. (*in preparation; full draft available*). Effects of a spaceflight analog with elevated (CO₂) on the neural correlates of a cognitive-motor dual task.
1. **Hupfeld KE**, McGregor HR, Koppelmans V, Beltran NE, Kofman IS, De Dios YE, Riascos RF, Reuter-Lorenz PA, Wood SJ, Bloomberg JJ, Mulavara AP, Seidler RD. (*in preparation; full draft available*). Brain and behavioral evidence for reweighting of vestibular inputs with long-duration spaceflight.

Research Awards

* Awarded to undergraduate mentee

2020	Toffler Leadership Award , University of Florida McKnight Brain Institute	\$1,500
2019	University Scholars Program* , University of Florida	\$1,750
2018	Preregistration Challenge Award , Center for Open Science	\$1,000
2018	Rackham Training Grant , University of Michigan	\$200
2018	Rackham Student Research Grant , University of Michigan	\$1,500
2015	Summer Undergraduate Research Experience Award , Elon University	\$3,000
2015	Honors Fellows Research Grant , Elon University	\$1,000

Travel Support

2020	Graduate Student Council Travel Grant , University of Florida	\$350
2019	Office of Research Travel Award , University of Florida	\$400
2018	Graduate Student Council Travel Grant , University of Florida	\$350
2018	Trainee Professional Development Award , Society for Neuroscience	\$1,000
2018	Society for Neuroscience Travel Award , North Central FL Chapter, SfN	\$1,000
2017	Graduate Student Council Travel Grant , University of Florida	\$350
2017	Rackham Conference Travel Grant , University of Michigan	\$350

Honors & Awards

2020	Dr. Patrick J. Bird Dissertation Scholarship , University of Florida	\$2,000
2020	Assoc. for Academic Women Emerging Scholar , University of Florida	\$1,000
2019	Thomas F. Hayes IV Memorial Scholarship , University of Florida	\$1,000
2018	Dr. Christian W. Zauner Scholarship , University of Florida	\$1,500
2016	Exercise Science Major of the Year , Elon University	
2016	Provost Scholar , Elon University	
2015	Powell Scholar , Elon University	
2015	Trey Halker Memorial Scholarship , Elon University	\$1,500
2012-15	Academic Scholarship , GEBA Foundation (4-time winner)	\$8,000
2012-15	Academic Scholarship , Credit Union Foundation MD-DC (3-time winner)	\$3,000
2012	Academic Scholarship , St. Paul Scholarship Fund	\$1,000
2011	Academic Scholarship , Wellesley College Book Award	\$500

Honor Societies:

2016	Phi Beta Kappa
2015	Psi Chi National Honor Society in Psychology
2015	Kappa Omicron Nu Honor Society for the Human Sciences
2014	Phi Kappa Phi
2013	Phi Eta Sigma , Elon University Chapter Vice President

Grant Writing Experience

UF Claude D. Pepper Older Americans Independence Center Mobility and Prevention of Disability Pilot Grant

Gainesville, FL

NOT FUNDED

2018

- Does cortical inhibition associate with gait performance in older age?
- PI: RD Seidler; Key personnel: EC Porges, CJ Hass, **KE Hupfeld**

University of Florida Moonshot Initiative

Gainesville, FL

NOT FUNDED

2018

- Predictors of resilience to neuromuscular declines in healthy aging
- PI: RD Seidler; Key personnel: EC Porges, **KE Hupfeld**

De Luca Foundation Research Scholarship

Gainesville, FL

NOT FUNDED

2018

- Do age differences in brain and EMG measures of inhibition predict gait and balance performance?
- PI: **KE Hupfeld**

Spencer T. and Ann W. Olin Fellowship for Women in Graduate Study

St. Louis, MO

AWARDED; DECLINED IN FAVOR OF NSF GRFP

2016

- \$35,000/yr stipend and full tuition for 4 yrs of graduate study at Washington University in St. Louis

National Defense Science and Engineering Graduate Fellowship

Ann Arbor, MI

NOT FUNDED

2015

- Transcranial direct current stimulation (tDCS): Neurophysiological mechanisms and applications to motor skill training
- PI: **KE Hupfeld**

Invited Talks

4. **Hupfeld KE**, Porges EC, Seidler RD. (May 2020). Neurochemical correlates of mobility in aging. *University of Florida Cognition and Emotion Neuroscience Seminar*. Gainesville, FL.
3. **Hupfeld KE**, Porges EC, Hass CJ, Seidler RD. (Feb. 2020). Neurotransmitter markers of mobility declines in aging. *University of Florida Movement Disorders T32 Seminar*. Gainesville, FL.
2. **Hupfeld KE**, McGregor HR, Lee JK, Reuter-Lorenz PA, Riascos RF, Pasternak O, Bloomberg JJ, Mulavara AP, Seidler RD. (Feb. 2019). The impact of one year in space on human brain structure. *University of Florida Applied Physiology & Kinesiology Graduate Student Forum*. Gainesville, FL.
1. **Hupfeld KE** & Ketcham CJ. (April 2016). Motor matters in Autism Spectrum Disorders. *Durham-Orange-Chatham North Carolina Association for the Education of Young Children*. Durham, NC.

Conference Presentations

* Undergraduate and post-bac mentees

Oral Presentations

6. Salazar AP, **Hupfeld KE**, Lee JK, McGregor HR, Gadd NE, Kofman IS, De Dios YE, Mulder E, Bloomberg JJ, Mulavara AP, Seidler RD. (Jan. 2020). Neural spatial working memory changes during a spaceflight analog with elevated carbon dioxide. *NASA Human Research Program Investigators' Workshop*. Galveston, TX.
5. Seidler RD, Ruitenberg MFL, Cassady KE, **Hupfeld KE**. (June 2019). Age-related reductions in tactile and motor inhibitory function start early: Implications for gait and balance. *International Society of Posture and Gait Research*. Edinburgh, Scotland.
4. Lee JK, **Hupfeld KE**, Banker LB, Mahadevan A, De Dios YE, Kofman IS, Gadd NE, Bloomberg JJ, Seidler RD. (Jan. 2019). Bedrest combined with 0.5% CO₂ as a spaceflight analog to study neurocognitive changes: Extent, longevity, and neural bases. *NASA Human Research Program Investigators' Workshop*. Galveston, TX.
3. Seidler RD, Mulavara AP, Koppelmans V, Lee JK, **Hupfeld KE**, Banker LB, Kofman IS, De Dios YE, Gadd NE, Riascos RF, Bloomberg JJ. (Jan. 2019). Spaceflight effects on neurocognitive performance: Extent, longevity and neural bases. *NASA Human Research Program Investigators' Workshop*. Galveston, TX.
2. **Hupfeld KE** & Seidler RD. (May 2017). Association of BDNF and dopaminergic polymorphisms with memory and mobility in older adults. *Society for the Neural Control of Movement*. Dublin, Ireland.

1. **Hupfeld KE**, Ketcham CJ, Schneider HD. (June 2016). Transcranial direct current stimulation (tDCS) to Broca's area: Persisting effects on non-verbal motor behaviors. *American College of Sports Medicine Annual Meeting*. Boston, MA.

Poster Presentations

17. Salazar AP, **Hupfeld KE**, McGregor HR, Beltran NE, Kofman IS, De Dios YE, Wood S, Mulavara AP, Bloomberg JJ, Seidler RD. (June 2020). Neural spatial working memory changes during spaceflight. *Organization for Human Brain Mapping*. Conference held online due to COVID-19.
16. **Hupfeld KE**, Porges EC, Hass CJ, Seidler RD. (May 2020). Neurochemical correlates of gait coordination and adaptation. *Society for the Neural Control of Movement*. Conference cancelled due to COVID-19.
15. Geraghty JG*, **Hupfeld KE**, Seidler RD. (Feb. 2020). Neural predictors of cognitively-demanding walking performance in young and older adults. *Florida Undergraduate Research Conference*. Fort Myers, FL.
14. Mahadevan AD*, **Hupfeld KE**, Lee JK, De Dios YE, Gadd NE, Bloomberg JJ, Mulavara AP, Seidler RD. (Oct. 2019). Functional neural changes in response to head-down tilt bedrest with elevated (CO₂) during a sensorimotor dual task. *Society for Neuroscience*. Chicago, IL.
13. **Hupfeld KE**, Porges EC, Hass CJ, Seidler RD. (May 2019). Association of cortical inhibition with gait and balance. *Society for the Neural Control of Movement*. Toyama, Japan.
12. **Hupfeld KE**, Lee JK, Gadd NE, Kofman IS, De Dios YE, Riascos RF, Bloomberg JJ, Mulavara AP, Seidler RD. (Jan. 2019). The impact of one year in space on brain structure. *NASA Human Research Program Investigators' Workshop*. Galveston, TX.
11. **Hupfeld KE**, Lee JK, Gadd NE, Kofman IS, De Dios YE, Riascos RF, Bloomberg JJ, Mulavara AP, Seidler RD. (Nov. 2018). Neural correlates of vestibular processing during exposure to a spaceflight analog with elevated carbon dioxide. *Society for Neuroscience*. San Diego, CA.
10. **Hupfeld KE**, Koppelmans V, Lee JK, Gadd NE, Kofman IS, De Dios YE, Riascos RF, Bloomberg JJ, Mulavara AP, Seidler RD. (May 2018). Functional vestibular cortical changes with spaceflight. *Society for the Neural Control of Movement*. Santa Fe, NM.
9. **Hupfeld KE**, Koppelmans V, Lee JK, Gadd NE, Kofman IS, De Dios YE, Riascos RF, Bloomberg JJ, Mulavara AP, Seidler RD. (March 2018). Vestibular brain and behavioral changes with spaceflight. *North Florida Society for Neuroscience*. Gainesville, FL.
8. **Hupfeld KE**, Vaillancourt DE, Seidler RD. (Feb. 2018). Genetic markers of dopaminergic transmission predict 20 year motor and cognitive decline differentially for older males and females.. *Institute for Learning in Retirement Poster Exhibition*. Gainesville, FL.
7. **Hupfeld KE**, Koppelmans V, Kofman IS, De Dios YE, Riascos RF, Bloomberg JJ, Mulavara AP, Seidler RD. (Jan. 2018). Neural bases of vestibular changes with spaceflight.. *NASA Human Research Program Investigators' Workshop*. Gainesville, FL.
6. **Hupfeld KE**, Ketcham CJ. (Nov. 2016). Effects of transcranial direct current stimulation (tDCS) to the dorsolateral prefrontal cortex (DLPFC) on neurocognitive performance and balance in combat military personnel. *Society for Neuroscience*. San Diego, CA.
5. **Hupfeld KE**, Ketcham CJ, Schneider HD. (April 2016). Lasting improvement of non-verbal motor behaviors with transcranial direct current stimulation (tDCS) to Broca's area. *Colonial Athletic Association Conference on Undergraduate Research*. Williamsburg, VA.

4. **Hupfeld KE**, Ketcham CJ, Schneider HD. (April 2016). Persisting effects of transcranial direct current stimulation (tDCS) to Broca's area on planning and non-verbal motor behaviors. *National Conference on Undergraduate Research*. Asheville, NC.
3. **Hupfeld KE**, Ketcham CJ, Schneider HD. (Oct. 2015). Behavioral effects of transcranial direct current stimulation to the supplementary motor area during motor tasks. *Society for Neuroscience*. Chicago, IL.
2. **Hupfeld KE**, Ketcham CJ, Schneider HD. (Sept. 2015). Anodal transcranial direct current stimulation (tDCS) to the supplementary motor area (SMA) improves performance on complex motor tasks. *Furman University Undergraduate Public Health Research Collaboration*. Greenville, SC.
1. **Hupfeld KE**, Ketcham CJ, Schneider HD. (July 2015). Anodal transcranial direct current stimulation (tDCS) to the supplementary motor area (SMA): Effects on reaction time and complex balance tasks. *Elon University Student Undergraduate Research Experience Poster Session*. Elon, NC.

Teaching Experience and Training

Graduate Level

Mentored Teaching

Spring 2020, Spring 2021

BIOMECHANICAL INSTRUMENTATION

APK 6265

- Department of Applied Physiology and Kinesiology, University of Florida
- Under Dr. Rachael Seidler's mentorship, co-taught a 3-week graduate course unit on transcranial magnetic stimulation. This included developing student learning objectives, lecture material, a hands-on lab, and data analysis assignment

Undergraduate Level

Guest Lecturer

Fall 2019

MOVEMENT NEUROSCIENCE

APK 4144

- Department of Applied Physiology and Kinesiology, University of Florida

Graduate Student Instructor

Spring 2017

INTRODUCTION TO COGNITIVE PSYCHOLOGY

PSYCH 240

- Department of Psychology, University of Michigan

Guest Lecturer

Spring 2017

BIOLOGICAL AND BEHAVIORAL BASES OF HUMAN MOVEMENT

MOVSCI 110

- Department of Kinesiology, University of Michigan

Teaching Assistant

Spring 2014, Spring 2015

HUMAN PHYSIOLOGY LAB

BIO 264

- Department of Biology, Elon University

Teaching Assistant

Fall 2013

GENERAL BIOLOGY LAB

BIO 102

- Department of Biology, Elon University

Tutor

Fall 2013-2015

HUMAN PHYSIOLOGY

BIO 264

- Department of Biology, Elon University

Specialty Training

Trainee

Fall 2016

PSYCHOLOGY TEACHING ACADEMY

PSYCH 609

- Department of Psychology, University of Michigan
- Completed a semester-long training course on best practices for teaching in higher education settings

Student Teacher

Fall 2015/Winter 2016

SCIENCE EDUCATION AND DEVELOPMENT IN INDIA

GBL 136/236

- Department of Education, Elon University
- Completed two semesters of science education and pedagogy training
- Completed one semester of supervised teaching middle school science in India

Mentorship

Justin Geraghty

2019-2021

UNDERGRADUATE RESEARCH ASSISTANT

- Mentor for JG's project: "Association of brain structure with cognitively demanding walking in older adults"; he is currently writing a first-authored manuscript on this project
- Funding: JG received a University Scholars Program grant (**\$1,750**) and Wenworth Travel Scholarship (**\$350**) for this work

Pilar Alvarez Jerez

2019-2020

UNDERGRADUATE RESEARCH ASSISTANT / INTERN

- Mentor for PAJ's project: "Relationship of brain oxidative stress with motor performance in older age"; PAJ co-authored a manuscript (under review) on this work
- Current: NIH Postbac IRTA Fellow, National Institute on Aging, Laboratory of Neurogenetics

Aakash Anandijwala

2019-2020

UNDERGRADUATE RESEARCH ASSISTANT

- Trained AA in multiple data collection methods with older adults, including gait testing (motion capture, inertial measurement units, split belt treadmill operation), transcranial magnetic stimulation, EMG preparation, manual motor testing, and cognitive testing

Aditya Mahadevan

2017-2019

UNDERGRADUATE RESEARCH INTERN

- Mentor for AM's project: "Effects of spaceflight analogs on the neural correlates of dual task performance"; AM first-authored a paper on this work (in preparation; full draft available)
- Current: University of Florida MD-PhD Student

Technical Skills

Neuroimaging

- High Proficiency: task-based fMRI (SPM); edited magnetic resonance spectroscopy (Gannet); voxel-based morphometry & cortical thickness (CAT12); Advanced Normalization Tools (ANTs); longitudinal analyses
- Currently Learning: diffusion-weighted imaging (FSL); resting-state fMRI (CONN)

Data Collection

- Transcranial magnetic stimulation (MagStim double cone coil; figure-of-8 coil; circular coil); surface EMG (Biopac AcqKnowledge); force recording (Neuroimaging Solutions)
- Motion capture (Vicon Nexus; Qualisys QTM); instrumented treadmill (Bertec); inertial measurement units (Opal ADPM)

Programming Languages and Statistical Packages

- MatLab; Bash (Linux Shell); R; Stata; SPSS

Genetic Analyses

- PLINK; GWAS; polygene score construction

Survey Design and Distribution

- MTurk; Qualtrics

Specialty Training

Magnetic Resonance Spectroscopy EDITING SCHOOL

2020

GABA SYMPOSIUM COMMITTEE; HOSTED ONLINE (COVID-19) | 1 WEEK

R Programming Training: An Intro. for Data Analysis and Graphics UNIVERSITY OF FLORIDA 8 WEEKS	2020
FMRIB Software Library (FSL) Course UNIVERSITY OF OXFORD; HOSTED ONLINE (COVID-19) 2 WEEKS	2020
Grant Writing Course UNIVERSITY OF FLORIDA PET 5936 3 CREDIT HOURS	2020
Intro. to Python, Databases, and R for Bioinformatics Workshop UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE 1 WEEK	2017
Intro. to Stata STATA NETCOURSE 6 WEEKS	2017
Genomics for Social Scientists Workshop UNIVERSITY OF MICHIGAN INSTITUTE FOR SOCIAL RESEARCH 1 WEEK	2017
Professional Issues in Psychology UNIVERSITY OF MICHIGAN PSYCH 506 1 CREDIT HOUR	2017
Training Course in Functional MRI UNIVERSITY OF MICHIGAN PSYCH 840 3 CREDIT HOURS	2016

Professional Memberships

Society for Neuroscience, North Florida Chapter	2018-
Society for the Neural Control of Movement	2016-
Society for Neuroscience	2015-
American College of Sports Medicine	2015-

Ad Hoc Reviewing

Experimental Brain Research
Journal of Clinical Medicine
Psychology of Consciousness: Theory, Research, and Practice

Press Coverage & Media Features

- 1 Million Women in STEM: Kathleen Hupfeld. 2020.
1MWIS. <https://www.1mwis.com/profiles/Kathleen-Hupfeld/>
- Bringing hyperfocus into research focus. 2019.
Cognitive Neuroscience Society Blog. <https://www.cogneurosociety.org/bringing-hyperfocus-into-research-focus/>
- SfN members discuss importance of public outreach. 2019.
Society for Neuroscience. <https://www.youtube.com/watch?v=oVNqaXb9pwc/>
- Discover your next inspiration at Neuroscience 2019 (Kathleen Hupfeld). 2019.
Society for Neuroscience. <https://www.youtube.com/watch?v=lj3yASc0tz8/>
- New study links hyperfocus and ADHD. 2018.
ADDitude Magazine. <https://www.additudemag.com/hyperfocus-adhd-study-news/>
- I Am Elon: Kathleen Hupfeld. 2015.
Elon University Promotional Campaign. https://www.youtube.com/watch?v=dsr0vH_pcio/

Popular Media Writing

2. **Hupfeld KE**, Seidler RD. (March 2020). Don't fret about aging: Benefits of music for the aging brain. *New Horizons International Music Association Biannual Newsletter*.
1. **Hupfeld KE**. (June 2017). Cliff notes on a top attraction of Ireland's scenic Western coast. *The Washington Post*.

Selected Community Involvement

Girls with Nerve Summer Camp VOLUNTEER TEACHER <i>Gainesville, FL</i>	2019 (2020 cancelled)
National Biomechanics Day VOLUNTEER <i>Gainesville, FL</i>	2018, 2019 (2020 cancelled)
Brain Awareness Week VOLUNTEER <i>Gainesville, FL</i>	2018, 2019 (2020 cancelled)
Adaptive Gymnastics VOLUNTEER <i>Gainesville, FL</i>	2019
Applied Physiology & Kinesiology High School Summer Research Experience MENTOR <i>Gainesville, FL</i>	2019
Applied Physiology & Kinesiology Research Symposium JUDGE <i>Gainesville, FL</i>	2019
American Association of University Women Tech Trek Camp MENTOR <i>Boca Raton, FL</i>	2018
Women in Science and Engineering Girlz Spring Camp MENTOR <i>Gainesville, FL</i>	2018
Michigan Association of Psychological Scholars MENTOR <i>Gainesville, FL</i>	2016-2017
Best Buddies International EXECUTIVE BOARD MEMBER <i>Elon, NC</i>	2013-2016
Special Olympics SWIMMING, VOLLEYBALL, & BOWLING COACH <i>Elon, NC; Columbia, MD</i>	2011-2016
Western Alamance High School MATH & SCIENCE TUTOR <i>Elon, NC</i>	2015
Stephanie Alexander Kitchen Garden Project VOLUNTEER TEACHER <i>Bentley, Western Australia</i>	2014
Laverton Youth Center VOLUNTEER <i>Laverton, Western Australia</i>	2014
Avalon Refugee Center ELEMENTARY/MIDDLE SCHOOL TUTOR <i>Elon, NC</i>	2012-2014
North Carolina Therapeutic Riding Center THERAPY VOLUNTEER <i>Mebane, NC</i>	2013-2014
Open Door Free Medical Clinic of Alamance County TRIAGE VOLUNTEER <i>Burlington, NC</i>	2012-2013
Global Medical Brigades PUBLIC HEALTH & DENTAL VOLUNTEER <i>Elon, NC; Tegucigalpa, Honduras</i>	2012-2013

Atholton HS Intellectual Disabilities Academic Life Skills Program

2011-2012

CLASSROOM ASSISTANT | *Columbia, MD*

Howard County General Hospital

2011

REHABILITATION SERVICES VOLUNTEER | *Columbia, MD*

Related Work Experience

Basic and Applied Cognition Lab, University of Michigan

Ann Arbor, MI

GRADUATE RESEARCH ASSISTANT | MENTOR: PRITI SHAH, PHD

2016-2017

Kernodle Clinic Neurology

Burlington, NC

MEDICAL SCRIBE

2015-2016

Neurosciences Research Lab, Curtin University

Perth, Australia

RESEARCH INTERN | MENTOR: ANDREW LAVENDER, PHD

2014

Mt. Washington Pediatric Hospital

Baltimore, MD

REHABILITATION TECHNICIAN

2013, 2014

Central Maryland Rehabilitation Center

Columbia, MD

NEUROLOGIC PHYSICAL THERAPY INTERN

2011-2012

Peer2Peer Tutors

Columbia, MD

SCIENCE, MATH, & STUDY SKILLS TUTOR

2010-2011