**ISABELLE GALLAGHER, B.S.**

**CURRICULUM VITAE**

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| University of Texas at Austin  Department of Psychology  SEA RM. 3.130F  [isabelle.gallagher@utexas.edu](mailto:isabelle.gallagher@utexas.edu)  (262) 443-1982 |  |

**FORMAL** -------------------**EDUCATION**

2022- Clinical Psychology Graduate Student

University of Texas at Austin

2018 B.S. Neurobiology with Global Heath and Leadership Certificates

University of Wisconsin-Madison

**SPECIAL HONORS AND AWARDS**

2021 Outstanding Poster Award, National Institutes of Health Postbac Poster Day

2020 Outstanding Poster Award, National Institutes of Health Postbac Poster Day

2019 Intramural Research Training Award, National Institutes of Health

2018 Dean’s List

2017 Waisman Center Family and Friends Travel Award

**RESEARCH POSITIONS HELD**

2021-2022 **Research Assistant**, UT Clinical Neuroscience Lab, Department of Psychology, University of Texas at Austin

Coordinating IRB materials for an upcoming low-carbohydrate diet intervention to improve liver and brain health in adults with Non-alcoholic Fatty Liver Disease (NAFLD). Applying FSL tools for neuroimaging analyses. Establishing a database on REDcap that combines all previous studies conducted in the lab.

Supervisor: Andreana Haley, PhD.

2021-2022 **Special Volunteer**, Lab of Biological Modeling, National Institute of Diabetes, Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD

Analyzing brain PET/MRS data and producing data visualization using RStudio for publication of clinical trial # NCT03648892

Supervisors: Kevin Hall, PhD., and Valerie Darcey, PhD.

2019-2021 **Intramural Research Training Award Fellow (IRTA)**, Lab of Biological Modeling, National Institute of Diabetes, Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD

Examined the relationship between the striatal dopamine system with eating behavior in an in-patient clinical setting with healthy volunteers of various body mass indexes. Administered behavior questionnaires, dietary assessments, and decision performance tasks. Performed dual energy X-ray absorptiometry to assess body composition and using a resting energy expenditure cart to measure metabolism. Prepped participants for position emission tomography, magnetic resonance imaging and spectroscopy scans. Performed neuroimaging analyses with Analysis of Functional Neuroimaging (AFNI) tools.

Supervisors: Kevin Hall, PhD., and Valerie Darcey, PhD.

2016-2019 **Research Assistant**, Waisman Center, Department of Kinesiology,

University of Wisconsin-Madison, Madison, WI

Explored motor learning, brain development, and independent living skills in children and adolescents with autism spectrum disorder. Conducted assessments, including the Bruininks-Oseretsky Test of Motor Proficiency, test for hypermobility, Wechsler Abbreviated Scale of Intelligence. Processed acquired magnetic resonance and diffusion weighted images using freesurfer and MRTrix.

Supervisor: Brittany Travers, PhD.

Summer 2017 **International Research Intern**, Center for Studies on Sensory Impairment, Aging, and Metabolism, Quetzaltenango, Guatemala

Examined macro- and micro-nutrients, Omega-3, calcium in mothers across varying geographical settings and social economic statuses to assess nutrition levels across different lactation stages and diets. Piloted the sensitivityof SECA bioelectrical impedance analysis to assess its ability to detect difference in body composition and hydration status in healthy women.

Supervisor: Noel Solomons, MD., PhD.

2016-2017 **Student Research Assistant**, Center for Women’s Health Research, University of Wisconsin-Madison, Madison, WI

Analyzed summary statements and grant applications from principal investigators to identify potential gender and race biases in research using text mining analyses with RStudio.

Supervisor: Mary Carnes, MD.

**CLINICAL EXPERIENCE**

2021-2022 **Psychometrist**, Austin Neuropsychology, Austin, TX

Administering and scoring neuropsychology batteries to children with attention, learning, behavior, and reading deficiencies. Assessments include: WISC-V, WAIS-IV, TOWL, CVLT-C, CVLT-3, NEPSY-II, Rey-Osterrieth, TOMAL, WCST, Woodcock Johnson.

Supervisor: Melissa Bunner, PhD.

2016-2019 **Resource Navigator and Supervisor**, Community Resource Navigation Program, UW Center for Patient Partnerships, Department of Population Health Sciences, University of Wisconsin-Madison, Madison, WI

Guided patients at the Wingra Family Medical Center to connect with community resources including transportation, food, housing, and legal aid. Followed up to assure access to resources is ongoing. Wrote grants asking for funding for housing resources. Trained and mentored new navigators as they transitioned into the program.

2018-2019 **Transcriber**, Center for Patient Partnerships, University of Wisconsin-Madison, Madison, WI

Transcribed 4 hour long video interviews of young adults about their experiences with depression.

2016-2017 **Inclusion Facilitator,** United Cerebral Palsy, Madison, WI

Adapted daily schedules for teenagers with intellectual and developmental disabilities to explore the Madison community while maintaining accessible and inclusive environments. Provided the following respite services: feeding, lifts and transfers, personal cares.

**SERVICE ACTIVITIES**

2019-2022 **Outreach data intern (virtual),** Yoga District, Washington, DC

Running statistical analyses on classroom attendance to contribute to the non-profits mission to identifying and sharing techniques which create real, measurable change in people’s lives. This is a 501(c)(3) Yoga Activist non-profit.

* 1. **Executive Member**, Health Occupations Students of America, University of Wisconsin-Madison

Organized activities to build leadership, community, and teamwork skills for undergraduate students interested in the healthcare field.

2015-2018 **Vice President of Events**, Badgers with a Heart, University of Wisconsin-Madison

Advocated and promoted awareness for the Autism Society of South Central Wisconsin through various student events and activities.

**PROFESSIONAL AFFILIATIONS**

2017-2022 Society for Neuroscience, DCMA chapter

**RESEARCH PUBLICATIONS**

1. **I. Gallagher**, V. L. Darcey, J. A. Avery, A. B. Courville, J. Guo, K.W. Simmons, J. Ingeholm, A. Martin, K. D. Hall *(in preparation*). Dietary fat, but not obesity, significantly affects brain reward activity to visual food cues
2. V.L. Darcey**,** J. Guo,A. Courville**, I. Gallagher**, J.A. Avery, K.W. Simmons, J. Ingeholm, A. Martin, K.D. Hall (*in preparation*). A Low-fat but not low carb restriction diet induces changes in reward circuitry and related food preferences: An fMRI and PET study.
3. K.D. Hall, Guo, A. B. Courville, J. Boring, R. Brychta, K.Y. Chen, V. Darcey, C.G. Forde, **I. Gallagher**, A.M. Gharib, R. Howard, P.V. Joseph, L. Milley, R. Ouwerkerk, K. Raisinger, I. Rozga, A. Schick, M. Stagliano, S.Torres, M. Walter, P. Walter, S. Yang, S.T. Chung (2021). A plant-based, low-fat diet decreases ad libitum energy intake compared to an animal-based, ketogenic diet: An inpatient randomized crossover trial. Nature Medicine.

**PRESENTATIONS**

**Invited**

Spring 2020 Diabetes, Endocrinology, Obesity Brach Journal Club, NIDDK: *Causal Link between n-3 Polyunsaturated Fatty Acid Deficiency and Motivation Deficits: A review.*

Winter 2018 Arrowhead High School: Advanced Psychology Special Guest Presentations: *Psych Stuff in the Real World.*

**Conference**

**Oral**

1. **I. Gallagher**, V. L. Darcey, J. A. Avery, A. B. Courville, J. Guo, K.W. Simmons, J. Ingeholm, A. Martin, K. D. Hall. Dietary *fat, but not obesity, significantly affects brain reward activity to visual food cues.* Functional Imaging II discussion. Society for Neuroscience Annual Meeting (Virtual, 2021).
2. **Gallagher, I**, K.D. Hall, J. Guo, A. B. Courville, J. Boring, R. Brychta, K.Y. Chen, V. Darcey, C.G. Forde, A.M. Gharib, R. Howard, P.V. Joseph, L. Milley, R. Ouwerkerk, K. Raisinger, I. Rozga, A. Schick, M. Stagliano, S.Torres, M. Walter, P. Walter, S. Yang, S.T. Chung. *Ad Libitum Energy Intake Differences Between a Plant-Based, Low-Fat Diet and an Animal-Based, Low-Carbohydrate Diet:   
   An Inpatient Randomized Crossover Study.* Obesity Week, The Obesity Society Virtual Oral Presentation (2020).

**Poster**

1. **Gallagher, I**.; V.L. Darcey; J.A. Avery; J. Guo; K. Simmons; J. Ingeholm; A. Martin; K.D. Hall. *Reducing Categorical Claims: No Group Differences in Regional Brain Activity to Visual Food Cues in Individuals with and without Obesity*. NIH Virtual Postbac Poster Day (2021).
2. **Gallagher, I**.; V.L. Darcey; J.A. Avery; J. Guo; A. Courville; K. Simmons; J. Ingeholm; A. Martin; K.D. Hall. *Restriction of Dietary Fat, but not Carbohydrate, Dampens Striatal Response to Food Images.* 16th Annual NIDDK Scientific Conference (2021).
3. **Gallagher, I**.; V.L. Darcey; J.A. Avery; J. Guo; A. Courville; K. Simmons; J. Ingeholm; A. Martin; K.D. Hall. *Restriction of Dietary Fat, but not Carbohydrate, Dampens Striatal Response to Food Images.* Society for Neuroscience, Virtual Global Connectome (2021).
4. A. Schick; V.L. Darcey; J. Guo; **I. Gallagher**; K.D. Hall. *A Tale of Two Tracers: [11C] Raclopride and [18] Fallypride Produce Related Estimates of Dopamine Receptor Binding Potential Across a Wide Range in BMI Under Identical, Controlled Clinical Conditions.* Society for Neuroscience, Virtual Global Connectome (2021).
5. **Gallagher, I.**; J. Boring; A. Courville; J. Guo; R. Howard; L. Milley; K. Raisinger; I. Rozga; A. Schick; M. Stagliano; S. Torres; S. Yang; S.T. Chung; K. Hall. *Ad Libitum Energy Intake Differences Between a Plant-Based, Low-Fat and an Animal-Based, Low-Carbohydrate Diet: An Inpatient Randomized Crossover Study*. American Society for Nutrition, Virtual Presentation (2020).
6. B. G. Travers; K. Ausderau; E. R. Dennis; **I. Gallagher**; L. Kissinger; N. Klans; K. A. Phillips; A. K. Reynolds; E. R. Snyder; O. J. Surgent; D. Taylor; O. L. Zarzycki. *Strategies for Successful Neuroimaging & Standardized Assessment in Youth With Autism & Sensory Challenges: Applications for Research & Practice.* American Occupational Therapy Association Annual Conference & Expo, cancelled (2020).
7. **Gallagher I**.; M. del Rosario García-Meza; A. Maldonado; N.W. Solomons. *Using Bio-electrode Impedance Analysis to Detect Fluid Overflow in Healthy Women in Guatemala*. Undergraduate Research Symposium Madison, WI (2018).
8. **Gallagher, I.**; A. Gomez; O. Dadalko; K. McLaughlin; O.J. Surgent; B. Koehn; D.C. Dean; A.L. Alexander; B.G. Travers. *Microstructure and morphometry of the pons in response to balance training in individuals with autism*. Society for Neuroscience Annual Meeting, Washington, D.C (2017)

**CONFERENCE ATTENDANCES**

**2021** Society for Neuroscience, Annual Meeting, Virtual

**2021** NIH Virtual Postbac Poster Day, Virtual

**2021** 16th Annual NIDDK Scientific Conference, Virtual

**2021** Society for Neuroscience, Virtual Global Connectome

**2020** Obesity Week Interactive, Virtual

**2020** American Society for Nutrition Annual Meeting, Virtual

**2020** Dopamine Conference, Dopamine Society, Virtual

**2020** NIH Virtual Postbac Poster Day, Virtual

**2018** Undergraduate Research Symposium, Madison, WI

**2017** Undergraduate Research Symposium, Madison, WI

**2017** Society for Neuroscience Annual Meeting, Washington, DC

**TRAININGS/WORKSHOPS**

2021 FSL Course

2021 NIH FAES Intermediate R Bootcamp

2021 NIH FAES Writing and Publishing a Scientific Paper

2021 NIH FAES Bioinformatics Introductory Coding Skills

2020 ABCD-ReproNim Course

2020 NIH Blueprint for Neuroscience Research: Addressing Neuroimaging Challenges Across Populations and Settings (virtual)

2019 Human MRI Safety Course (NIH NMR Center)

2019 AFNI + SUMA Training Workshop (NIMH)

**REFERENCES**

Valerie Darcey, PhD, MS, RD, LD

National Institutes of Health, National Institute of Diabetes, Digestive and Kidney Diseases

Center on Compulsive Behaviors, Postdoctoral Researcher

(301) 402-9689

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Kevin Hall, PhD

National Institutes of Health, National Institute of Diabetes, Digestive and Kidney Diseases

Laboratory of Biological Modeling, Section Chief

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