Shannon Marschall

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EDUCATION

Tufts University, Friedman School of Nutrition Science and Policy
Master of Science in Biochemical and Molecular Nutrition, May 2023
Specialization in Cognitive Neuroscience, GPA 3.89
Endicott College
Bachelor of Science in Psychology, Summa Cum Laude, May 2020
Minor in Applied Mathematics, Minor in Biology, GPA 3.96

RELEVANT EXPERIENCE

Science Writer, Wild Hive
July 2023-Present
- Responsible for attending commodity board sponsored research sessions, taking detailed notes, and writing, editing, and submitting a publication of the proceedings

Biological Sciences Laboratory Technician, United States Department of Agriculture, Boston, MA
April 2023-October 2023t
- Used cell culture techniques and western blots to determine effects of foods/nutrients on astrocyte health
- Administer and score cognitive batteries and gait/balance measurements for human clinical trials

Student Research Assistant, Human Nutrition Research Center of Aging, Neuroscience and Aging Lab, Boston, MA
September 2021-August 2023
- Independently completed all cutting, immunofluorescence, imaging, counting, data analysis and presentation of a 60 mouse study, including preparing and giving an oral presentation of the data at the 2023 ASN conference

Tutor, Tufts University, Boston, MA
September 2022-December 2022
- Successfully tutored two first year students who were struggling in Graduate Biochemistry, with one student ending with an A for the semester
- Organized and condensed important lecture material, prepared visuals, and went through practice exam questions with students

Research Intern, Boston Medical Center, Endocrinology Clinical Trials Unit, Boston, MA
September 2019-December 2019 (450 hours)
- Responsible for screening, approaching and consenting subjects in clinic, aa well as biological sample collection and handling, including blood and adipose tissue
- Maintained records, assisted with grants and protocols, and independently completed an IRB
- Collaborated with team members to complete and publish a manuscript (see publications section)

Student Research Assistant, Endicott College, Beverly, MA
September 2016-May 2019
- Conducted research on olfactory system function and traumatic brain injuries, including identifying subjects, organizing test times, consenting subjects, and administering an olfactory test instrument

Clinical Neuropsychologist Intern, MetroWest Neuropsychology, Westborough, MA
June 2018-August 2018 (120 hours)
- Prepared appropriate testing materials for patients and assisted in administration and scoring of test batteries

Recreation Therapist Intern, Advocates Brain Injury Day and Community Services, Lexington, MA
June 2017-August 2017 (120 hours)
- Planned and completed group sessions/outings to improve independence in a group of adults with traumatic brain injuries
- Completed daily progress logs for participants, as well as organized and maintained participant records

SKILLS & AWARDS

Software: ImageJ, SPSS, Stata, R studio, Adobe Photoshop, Microsoft Office, Google Workspace
Publications:

Zheng, T., Fu, X., Shen, X., Marschall, S., Smith, D., Tarr, A., Biederer, T., Shukitt-Hale, B., & Booth, S. (2022). Low vitamin K intake negatively affects C57BL6 mouse survival and cognition. *Current Developments in Nutrition*, *6*(Supplement_1), 816–816. https://doi.org/10.1093/cdn/nzac064.035

Ju, Z., Piarulli, A., Bielick, L., Marschall, S., Brouillard, E., & Steenkamp, D. (2022). Advanced diabetes technology remains underutilized in underserved populations: Early hybrid closed-loop system experience at an academic safety net hospital. *Diabetes Technology & Therapeutics*, *24*(2), 143–147. https://doi.org/10.1089/dia.2021.0334

Leadership, Honors, & Awards
- Vegetarian and Plant Based Scholarship Award Recipient, ,Tufts University
- Honors Society Member, Tufts University
- President of the Psi Chi Honors Society, 2019-2020, Endicott College
- 2020 Dean's Award Recipient, School of Arts and Sciences, Endicott College
- 2020 Andler Thesis Prize Recipient, Endicott College