Isabella Dallasta

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*EDUCATION*

**University of Maryland (UMD):**

* PhD in Neuroscience and Cognitive Sciences (est. 2030).

**University of Notre Dame of Maryland (NDMU)**:

* Bachelor of Arts in Biology with minors in Chemistry and Mathematics. GPA: 3.97.
* Master of Arts in Leadership and Management GPA: 3.92.

*HONORS & AWARDS*

* Flagship Fellowship UMD, 2025
* Graduated Summa Cum Laude, 2022.
* Senior Biology Award at Notre Dame of Maryland University, 2022.
* Kappa Gamma Pi nominee, 2022.
* Chemistry honors society (GSE) sergeant-at-arms, 2021-2022.
* Mathematics honors society (KME) member, 2020-2022.
* Sr. Alma Women in STEM Scholar, 2021-2022.
* Sophomore of the year award at Notre Dame of Maryland University, 2020.
* Most valuable player for Tennis at Notre Dame of Maryland University, 2019.
* Emerging Leaders scholar, NDMU, 2019-2021
* Merit Scholarship award, NDMU, 2019-2022.
* Student Body president/Head girl St. Hilda’s College, 2017.
* Best Cambridge University AICE diploma in Argentina (overall exam score), 2017.

*PROFESSIONAL EXPERIENCE*

***Neuroradiology department, Johns Hopkins School of Medicine,*** *Neuropsychological testing administrator (2024- 2025):*

* Administered and scored neuropsychological batteries on participants for a study to assess the safety and tolerability of PET Imaging with Radioligand and MR imaging in patients with long COVID.
* Trained the PI and lab manager on cognitive testing administration and scoring.
* Helped better the communication system to schedule patients and improve efficiency.

***Neurology department, Johns Hopkins School of Medicine,*** *Marsh Lab Research Coordinator (2023- 2025):*

* Co-authored multiple manuscripts for publication, aiding in writing, figure creation, readability, edits and submission.
* Supervised 17 lab members and their projects, aiding in patient recruitment, data analysis, storage, and retrieval.
* Managed, updated and designed the lab and resource center websites.
* Oversaw cognitive testing for our stroke clinic, imputing data into our databases.
* Updated and helped program code for our RedCap databases.
* Provided updates on recruitment and data for our multisite study including JHH, UMD, TU, UCM, and MIT.
* Screened and recruited patients for research studies on a weekly basis, looking at physician notes, MRIs and CT scans.
* Organized and conducted interviews for new lab members, reaching out to candidates, setting dates, planning tours and preparing interview questions.
* In charge of administrative tasks including intake forms, data access and storage, health requirements, consent forms, patient outreach and others.
* Evaluated patients’ functional outcomes by performing FAQ, FACIT, PHQ9, GDS, NIHSS and MRS.
* Coordinated MEG scans for research participants and helped conduct MEG/EEG scans in collaboration with the UMD lab manager, as well as generated a Spanish version for Spanish speakers.
* Managed and oversaw tDCS testing on participants, scheduling their visits, MEG scans, and used R for data analysis.
* Learned MNE Python for data analysis on our Cognitive decline post-stroke project.
* Learned Brainstorm for data analysis for our Mindfulness Based Stress Reduction as a Treatment for Cognitive Recovery in patients with Minor Stroke study.
* Incorporated new trainings for lab members.
* Conducted NLGC analysis of different frequency bands, created fif files, and brain maps using freeform and coreg.

***Neurology department, Johns Hopkins School of Medicine,*** *Marsh Lab Trainee (2021- 2022):*

* Interacted with patients and used the MoCA assessment to determine their cognitive impairment post-stroke.
* Shadowed Neurologists at the Bayview Stroke Intervention Clinic (BaSIC), a multi-disciplinary follow-up clinic designed to promote patient follow-up and enhance post-stroke recovery.
* Helped coordinate and conduct MEG scans for research participants.
* Conducted research that provides supporting evidence to show that disruption of network dynamics is responsible for early post-stroke cognitive dysfunction.
* Helped recruit qualifying patients for various studies.
* Scored cognitive assessments and questionnaires.

***Neurology department, Johns Hopkins School of Medicine,*** *Volunteer at the Neuroscience Critical Care Unit (2021):*

* In charge of communication with patients’ family members.
* Organized patient update calls with nurses and family members.
* Received and approved visitors for the unit.
* Shadowed the neurology team through their rounds at the stroke unit.

***Neurology department, Johns Hopkins School of Medicine,*** *Amyotrophic Lateral Sclerosis Research volunteer (2020):*

* Calculated the pH of brain samples for ALS research.
* Prepared brain samples from ALS patients to ship to various institutes worldwide.
* Assisted in a Xenograft project evaluating the progress of ALS in mice.

***Notre Dame of Maryland University****, Graduate Residence Coordinator (2022-2024):*

* In charge of residence buildings with over 150 residents and directly supervised 30 student leaders.
* Recruited and selected school leaders and participated in the hiring process of student life team members.
* Participated in a 24/7 on-call rotation and managed emergency situations.
* Mentored students on their academic journey.
* Trained student leaders on emergency procedures, behind-closed-doors trainings, and school policies; meeting with them 1:1 every week and providing feedback.
* Conducted research on, and updated housing policies.
* Assisted in overseeing a budget of over $10,000.
* Coordinated daily operations, logistics and management of a residential community.

PUBLICATIONS

* Solemani B., **Dallasta I.**, Das P., Kulasingham J. P., Grigenti S., Simon J. Z., Babadi B., Marsh E. B. *Altered Directional Functional Connectivity Underlies Post-Stroke Cognitive Recovery*. Brain Communications, 2023; 5:3.
* **Dallasta I.**, Marsh E. B. *Poststroke Cognitive Decline: Is Functional Connectivity the Key to Tangible Therapeutic Targets?* Stroke, 2024.
* Girgenti S., **Dallasta I.,** Lawrence E., Merbach D., Simon J.Z., Llinas R., Gould N.F., Marsh E.B. *Modified Mindfulness Based Stress Reduction as a Treatment for Cognitive Recovery in patients with Minor Stroke: a Randomized Controlled Trial*. MedRxiv, 2024.
* Larson S., John S., Gowrisankar S., Zhao M., Piner B., **Dallasta I.,** and Marsh E.B. *The Social Determinants of Health Framework Identifies Patients at Risk for Loss to Follow-up After Stroke*. JAHA, 2025.
* Obasanjo W., Ahmed Z., **Dallasta I**., Marsh EB. *Localization Matters: Specific Patterns of Cognitive Dysfunction Depend on Location, Even for Patients with Minor Stroke* (Clinical Neurology and Neurosurgery, under review).
* Commuri V., **Dallasta I.**, Stone C., Girgenti S., Gould N., Llinas RH., Simon JZ., Marsh EB. *Functional Connectivity: The Link Between frontoparietal Cortex and cognitive Outcomes Following Minor Stroke* (Neurology, under review).
* Luna L., Abi M., **Dallasta I.** et al. *A Phase l Study to Assess the Safety and Tolerability of PET Imaging with [11 C]CPPC [5-cyano-N-( 4-( 4-[l l CJ me1hylpiperazin-l-yl)-2-(piperidin-l-yl)phenyl)furan-2-carboxamide] Radioligand and MR imaging in patients with long COVID* (in progress).

POSTER PRESENTATIONS, ABSTRACTS & CONFEERENCES

* Nancy Kreiter Student Research Day, Notre Dame of Maryland University. “*Altered Directional Functional Connectivity Underlies Post-Stroke Cognitive Recovery*”.
* Senior Seminar, Research Day, Notre Dame of Maryland University. “*Measuring the Effect of Light and Food Source on C. elegans Behavior”,* 2022.
* Neurology Research Retreat, Johns Hopkins School of Medicine. “*Baseline Function and Rehabilitation are as Important as Stroke Severity as Long-Term Predictors of Cognitive Performance Post-Stroke*” & “*Altered Directional Functional Connectivity Underlies Post-Stroke Cognitive Recovery*”.
* American Academy of Neurology (ANN), Boston conference, 2023.
* De Armas R., Funk C., Hernandez D., Marsh EB., John S., Zhao M., Dallasta I., Irvin N. *Impact of Limited English Proficiency on Early Management of Ischemic Stroke in the Emergency Department*. SAEM, 2025.

*ADDITIONAL WORK EXPERIENCE*

* ***Notre Dame of Maryland University****, Desk assistant (2019-2020).*
* ***Notre Dame of Maryland University****, Resident Advisor (2019-2022).*
* ***Notre Dame of Maryland University****, Public Safety Student Officer (2020-2022).*
* ***Notre Dame of Maryland University****, Student Life Accessibility Assistant (2022).*

*SERVICE AND LEADERSHIP*

* ***Notre Dame of Maryland University****, General and Organic Chemistry and Spanish Tutoring and TA (2018-2021).*
* ***Notre Dame of Maryland University****, Treasurer, SGA (2019-2021).*
* ***Notre Dame of Maryland University****, Founder/ President of ‘GNC’ (2019-2022).*
* ***Notre Dame of Maryland University****, Tennis Team Captain (2019-2020).*

*SPECIAL SKILLS*

* Languages: Fluent Spanish and English, basic French.
* Experience with cloning, DNA sequencing, MRI, MEG, EEG and patient care.
* Knowledge in R, BrainStorm and Python.
* Proficient in EPIC and Carestream (HIPPA certified).