

Ruth Mizu
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Rollins Research Center
1510 Clifton Rd.
Atlanta, GA 30322

EDUCATION

- Emory University**, Atlanta, GA *May 2019*
- *Bachelor of Science in Neuroscience and Behavior Biology*
Minor in Sociology

RESEARCH EXPERIENCE

- Stephen F. Traynelis Pharmacology Research Lab**, Atlanta, GA *Oct. 2016 – Present*
- *Undergraduate Researcher*: Lab studies the effects of mutations on the N- Methyl- D – Aspartate Receptor (NMDAR) in human neurological diseases and disorders liker Alzheimer’s, Epilepsy, and developmental delay; performed oocyte injections of mutated RNA and DNA; ran independent project studying the surface protein expression of the NMDAR in human embryonic cells
- Developmental Neurolinguistics Laboratory**, Dallas TX *May 2016 – Aug. 2016*
- *Research Assistant*: Ran child participants on electroencephalogram; used reading, vocabulary and language comprehension assessments to study impact of socioeconomic status on brain development and language acquisition in children ages 8-14

HOSPITAL VOLUNTEERING EXPERIENCE

- Winship Cancer Institute**, Atlanta, GA *Sept. 2017 – Present*
- *Student Volunteer*: Focused on patient interaction; assisted and transported patients to areas around the hospital; file and sorted paperwork; communicate/interact with doctors and nurses; restocked hospital supplies
- Lake Pointe Medical Center**, Rowlett, Wylie, TX *May 2016 – June 2016*
- *Emergency Room Volunteer*: Prepare food, snacks, and drinks for patients; file and sort paperwork; took samples and items to lab; place clean sheets on beds, talked with patients and families; restocked hospital supplies

WORK EXPERIENCE

- Summer Undergraduate Research Experience Fellowship** *May. 2018 – Present*
- *Undergraduate Researcher*: Full time undergraduate researcher in a 10-week intensive residential summer program where I design experiments, problem solve, analyze data, and present my findings
- Emory EPASS Tutor** *Aug. 2017 – Present*
- *Organic Chemistry Tutor*: Provide tutoring and academic support to undergraduate students for an internationally accredited tutoring program
- Emory Pipeline Collaborative (EPiC)** *Oct. 2016 – Present*
- *College Mentor*: Provide academic support, college readiness, and scholarships opportunities to high school students interested in health science professions
- Graduation Generation**, Emory University and North Atlanta High School *Jan. 2016 – Apr. 2016*
- *College Tutor*: Tutored and mentor students with their school work, study habits and worth ethics to help improve academic success, increase GPA, and graduation rate of seniors at North Atlanta High School

ACTIVITIES & LEADERSHIP

- Alpha Kappa Alpha Sorority, Inc.** *April. 2018 – Present*
- *Sergeant-At-Arms*: Restore peace and keep order at all chapter meetings, collect fees from members, and make sure all members are adhering to the constitution and bylaws of Alpha Kappa Alpha Sorority, Inc.
- National Pan-Hellenic Council** *April. 2018 – Present*
- *Treasurer*: Handle finances and bills of NPHC organizations, responsible for deposits, balancing checkbook and preparation of annual budget, maintain financial accounts of NPHC
 - *Program Coordinator*: coordinate social, educational, and community service programs for NPHC and serve as NPHC liaison for community wide NPHC events
- Emory Chapter of the NAACP** *June 2017 – May 2018*
- *Membership Committee Chair*: Inform the Emory community of issues and disparities affecting minorities; lead bi-monthly meetings, service trips, and organized get-together events
- African Student Association (ASA)** *Mar. 2016 - Present*
- *Member*: Active member attending meeting; performer for the *Taste of Africa* Event
- Ngambika**, Emory University *Sept. 2015 – Dec. 2016*
- *Co-Captain*: Step/dance routine choreographer and performance coordinator
Member: community-based step team organization with monthly community service and weekly practice
- Hughes Science Scholar Summer Institute** *Aug. 2015 – Dec. 2015*
- *Scholar*: Participant in enrichment program acclimating first-year students interested in pre-med, pre-health, and pre-dental professional programs to campus life and academia opportunities
- Gates Millennium Scholar** *Apr. 2015 – Present*
- *Scholar*: Recipient of highly selective scholarship for high scholastic achieving minority students, a part of the networking building events hosted every semester

SKILLS & LANGUAGE

- *Technical Proficiency* with Origin, GraphPad, SoftMaxPro, MatLab, R Studio, Excel
- *Understand & Speak* English & Amharic

HONORS & AWARDS

- *Summer Undergraduate Research Experience (SURE) Natural and Biomedical Sciences Program Award; Alpha Chapter of Nu Rho Psi, the National Honor Society in Neuroscience, Member; Omega Epsilon Chapter of Mortar Board National Senior Honor Society; Undergraduate Research Programs Independent Research Grantee; Gates Millennium Scholar; Hughes Science Scholar; Dean’s List Recipient*