

SHEEL SINGH
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EDUCATION

- MGH Institute of Health Professions** Boston, MA
PhD, Rehabilitation Sciences August 2023 –
- Research Focus: Optimizing employment outcomes amongst cancer survivors.
- The George Washington University** Washington, DC
Master of Arts, Medical Anthropology January 2020
- Relevant Coursework: Qualitative Methods, Biostatistics, Preventing Health Disparities
- Bachelor of Science, Biological Anthropology (Minor, Biology)** May 2018
- Graduated *magna cum laude* with departmental honors in Biological Anthropology

PROFESSIONAL EXPERIENCE

- MGH Institute of Health Professions – Cancer Rehabilitation Lab** Boston, MA
Doctoral Research Fellow August 2023 – Present
- Manages key lab and research functions, including coordinating lab meetings, overseeing research study activities, mentoring graduate students across related departments, introducing best practices in project management, and leading administrative operations.
 - Supports development and submission of scholarly works such as posters, presentations, grant proposals, and manuscripts.
- MGH Institute of Health Professions – Office of the Provost** Boston, MA
Doctoral Research Assistant August 2023 – Present
- Provides managerial support to two structured, longitudinal faculty development programs designed for instructors and professors to advance their professional goals.
 - Facilitates the development and submission of scholarly outputs, including reports and publications, to promote and advance program outcomes.
- GWU School of Medicine and Health Sciences** Washington, DC
Research Program Associate September 2020 – May 2023
- Promotes program capacity for an 18-month national research-informed educational intervention for PCPs to routinize HIV and COVID vaccine screening. Duties include initiating and managing relationship development with stakeholders within and external to the university, conducting interviews with study participants, providing leadership and mentorship to undergraduate and graduate research assistants, introducing research team to best practices for project management, and directing all administrative activities.
 - Provides managerial support for a federally funded National Research Service Award (NRSA) for individuals with career interest in primary care research. Coordinates and leads meetings, provides project management, and directs administrative and fiscal activities (e.g., organize reports, prepare presentations, administer surveys/evaluation instruments, and liaison with the university postdoctoral support office). Triages fellow, mentor, and project team issues.
 - Is GW site lead for a federally-funded workforce development program affiliated with the Clinical and Translational Science Institute at Children’s National (CTSI-CN). Oversees and administers program activities, which include project planning, development of training and workforce development activities, monitoring of pre-established program aims, compliance with regulatory requirements, and reporting.
 - Supports development and submission of scholarly works to disseminate or advance all program outcomes, such as posters, presentations, reports, research proposals, and publications. Supports development, submission, and revisions to human protections applications and supplemental grant reports.
 - Managed multicenter clinical trials of individuals with mTBI and concussive injuries. Duties included overseeing patient recruitment, data collection, data management, and training, administering health surveys and cognitive assessments, and coordinating outreach with study participants across multiple study sites (2020 – 2021).
- GWU Primate Genomics Lab** Washington, DC
Research Assistant August 2016 – May 2019
- Led and published an independent research project investigating genetic coding variation and brain morphology in

chimpanzees.

- Provided research lab management and support to optimize high resolution melt analysis to detect DNA variants by characterizing the sequence-specific melting behavior of short PCR amplicons.
- Conducted thorough literature reviews and syntheses of scientific research materials regarding genomic and neurobiological systems. Wrote and edited detailed research proposals to secure project funding.
- Communicated and translated complex research findings via guest lecturing and conference poster sessions.

GWU Evolutionary Neuroscience Lab

Research Assistant

Washington, DC

August 2017 – May 2019

- Collected, compiled, and analyzed data for project research design and implementation.
- Coordinated with laboratory staff and collaborators to create budgets for multiple research projects.
- Conducted statistical analyses using R to test genotype effects on brain morphology.
- Developed information briefs and presentation materials for lab meetings.

Health Leads

Program Coordinator, Family Advocate

Children's National Medical Center, Washington, DC

May 2015 – August 2016

- Worked collaboratively with a team of 10 to create and produce informational marketing materials for social resources in client communities.
- Created action plans for 50-75 families of pediatric patients to attain health care, food, housing, child-care, reimbursement, etc.
- Conducted client intakes and provided weekly follow-ups in-person and via phone regarding community resources.
- Communicated with referring partners for updates on resource and service availability, renewal of funds, opening of applications, etc.

PUBLICATIONS

- Ward MC, **Singh S.** Codifying DEIJ values in a national research-informed training effort. *HPHR*. 2024;89. <https://doi.org/10.54111/0001/KKKK4>
- **Singh, SV**, Staes, N, Guevara, EE, et al. Evolution of ASPM coding variation in apes and associations with brain structure in chimpanzees. *Genes, Brain and Behavior*. 2019; 18:e12582. <https://doi.org/10.1111/gbb.12582>
- Baird, C., Haswell, C., Watts, A., Laskowitz, S., **Singh, S.**, Vissa, K., Kim, J., Bride, J., Mahajan, A., Gordon, E., Morey, R., & Turner, R. (2022). P83. Neurobiologically-Derived, Outcome-Relevant Subtypes of Mild Traumatic Brain Injury. *Biological Psychiatry*, 91, S120–S121. <https://doi.org/10.1016/j.biopsych.2022.02.317>

PRESENTATIONS

Oral Presentations

- Introducing the Virtual Organizer, Clinical Research Staff Consortium Meeting, Children's National Hospital (2022)
- Conducting Community Based Research with Black Men in the DMV to Examine Dementia Caregiver Burden, Introduction to Institute Faculty Seminar, GW Institute for Brain Health and Dementia (2021)
- Genetic determinants of brain size: ASPM coding variation is associated with brain morphology in chimpanzees, Guest Lecturer, Human Evolutionary Genetics Course, The George Washington University (2018)

Poster Presentations

- Baird C.L., Haswell C., Watts A., Laskowitz S., Eckhardt, M., **Singh S.**, Vissa K., Kim J., Bride J., Mahajan A., Gordon E., Morey R., Turner R.W. (2022, April) *Effects of mTBI on Functional Connectivity in former Football Players: Preliminary Results*. Poster to be presented at the Society of Biological Psychiatry Annual Meeting, New Orleans, USA.
- Genetic determinants of brain size: *ASPM* coding variation is associated with brain morphology in chimpanzees. Accepted at the annual meeting of the American Association of Physical Anthropologists (AAPA) 2018. **Sheel V. Singh**, Nicky Staes, William D. Hopkins, Steven J. Shapiro, Brenda J. Bradley, and Chet C. Sherwood.
- Rapid, inexpensive genotyping and barcoding of primates: multiple applications for high resolution melt analysis (HRMA) in primatology and anthropology. Accepted at GW Research Days 2019, the annual meeting of the Northeastern Evolutionary Primatologists (NEEP) 2017, and the annual meeting of the American Society of

Primatologists (ASP) 2017. **Sheel V. Singh**, David C. Frankel, Rachel L. Jacobs, Nicky Staes, Lauren J. Anderson, Madeleine B. Rosenstein, Kristin Saltonstall, Adalgisa Caccone, Edward E. Louis Jr., William D. Hopkins, Chet C. Sherwood, and Brenda J. Bradley.

TEACHING EXPERIENCE

Graduate Teaching Assistant

The George Washington University, Washington, DC

- Introduction to Biological Anthropology

August 2018 – December 2018

Quality Matters Certification

- Applying the Quality Matters Rubric (APPQMR)

October 21st, 2023

HONORS AND AWARDS

- Jane B. Hart Award for Outstanding Thesis in Biological Anthropology 2018
- 1st Place GWU Research Days in Evolutionary and Developmental Biology 2018
- GW Sigelman Undergraduate Research Enhancement Award 2017
- GW Luther Rice Undergraduate Research Fellowship 2017

COMMUNITY SERVICE

Smithsonian National Zoo

Washington, DC

Asia Trail Volunteer

May 2016 – Present

- Educates zoo visitors of all ages about the animals using interesting facts and animal observations.
- Engages in activities using biological artifacts to provide visitors greater insight into each species.
- Promotes wildlife conservation by sharing species conservation stories and research efforts conducted at the zoo.

Capital Caring

Providence Hospital, Washington, DC

Patient Volunteer

November 2018 – March 2020

- Assisted with administrative duties such as maintaining records and managing the front desk.
- Reported observations of changes in patient status to appropriate hospital staff.
- Visited with hospice patients to provide companionship and emotional support.