# SUSHUPTA M. VIJAPUR

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## EDUCATION

**Columbia University, Mailman School of Public Health, New York City, NY**     **May 2021**
Master of Public Health in Epidemiology, Certificate in Applied Biostatistics
**University of Pittsburgh, Dietrich School of Arts and Sciences, Pittsburgh, PA**     **April 2018**
Bachelor of Science in Neuroscience, Minor in Chemistry

## EXPERIENCE

**Columbia University, Mailman School of Public Health, New York, NY**     **May 2020 – present**
*Graduate Research Assistant*
- Cleaned and organized 4 years of data, consisting of 300,000 records from the National Survey on Drug Use and Health
- Applied advanced statistical techniques, including linear and logistic trends analyses, using R to study substance abuse disorders among varying demographic groups
- Developed and implemented an analysis plan, creating actionable goals to meet project needs
- Created data visualizations using R packages, including ggplot, to present results to team members project leads
- Preparing a manuscript for publication at a peer-reviewed journal

**University of Pittsburgh, Department of Physical Medicine and Rehabilitation, Pittsburgh, PA**     **August 2015 – August 2019**
*Data Analyst (April 2018 – August 2019)*
- Applied statistical analytic techniques, including multivariable and logistic regression, using SAS for biomarker driven research in modeling functional, behavioral and cognitive outcomes in a traumatic brain injured population
- Cleaned and organized large datasets used in various analytical research projects using SAS
- Wrote 2 grants for large government funded projects with grant support of more than $1 million
- Prepared 2 manuscripts, 1 of which is published at the Journal of Neurotrauma
- Trained 10 undergraduate students in statistical analysis, improving their understanding of complex methods
- Managed human bio-repository system of over 20,000 samples and conducted proper updates to MS Access database

*Research Assistant (August 2015 – March 2018)*
- Analyzed biomarker data using SAS/SPSS and performed data visualization to present results using GraphPad and Excel
- Organized and maintained patient data extracted from Epic and Cerner
- Accurately entered patient data into MS Access laboratory database
- Performed queries in MS Access database to extract the data needed for analytic research projects
- Assisted in optimizing and establishing the human bio-repository system for all lab samples

## SKILLS

**Statistical Softwares:** R, SAS, STATA, SPSS
**Applications:** GraphPad, Microsoft Word, Excel, PowerPoint and Access

## PUBLICATIONS

**Vijapur S**, Yang Z, Barton D, et al. Anti-pituitary and anti-hypothalamus autoantibody associations with inflammation and hypogonadotropic hypogonadism in men with traumatic brain injury [published online ahead of print, 2020 Feb 28]. *J Neurotrauma*. 2020;10.1089/neu.2019.6780. doi:10.1089/neu.2019.6780

## SPEAKING ENGAGEMENTS / CONFERENCE ABSTRACTS (Selected)

- **Vijapur, S.M.,** Myrga, J.M., Vaughan, L.E., Conely, Y.P., Wagner, A.K. (2019, July). COMT and ANKK1 Genetics Influence Il-6 Levels and Associations with Depression and Behavior following TBI. *Poster presented at National Neurotrauma Symposium, Pittsburgh, PA (Invited Speaker)*
- **Vijapur, S.M.,** Dekman, M., Vaughan, L.E., Awan, N., Kumar, R.G., Wagner, A.K. (2019, July*). Lymphocyte and BDNF Associations with Risk for Persistent Hypogonadotropic Hypogonadism. National Neurotrauma Symposium, Pittsburgh, PA (Poster Trainee Finalist)*
- **Vijapur, S.M**., Kumar R.G., Ranganathan P., Yang Z., Wang K.K., Wagner A.K. (2018, August). Chronic Systemic Inflammation and Associations with Autoantibody Production after Traumatic Brain Injury. *International and National Neurotrauma Symposiums, Toronto, Canada (Poster Presentation)*