

OBJECTIVE	Experienced Biostatistics PhD student with a strong background in designing and implementing statistical methodologies for clinical and observational research studies. Seeking to contribute my expertise in biostatistics, data analysis, and project leadership to a dynamic internship program.	
EDUCATION	University of Southern California , Los Angeles, CA <i>PhD</i> , Biostatistics, August 2020—December 2024 (expected) <i>Dissertation Topic</i> : Adaptive Randomization in Randomized Controlled Trials with Applications in Alzheimer's Disease University of California, Berkeley , Berkeley, CA <i>BA</i> , Applied Mathematics & Statistics, August 2014—May 2018	
EXPERIENCE	Research Assistant August 2020—Current	Keck School of Medicine of USC Los Angeles, CA
	<ul style="list-style-type: none">• Lead research design and analytical strategies for observational studies and trials.• Collaborate with cross-functional teams, including clinicians, academics, data managers, and regulatory affairs, to develop study protocols and statistical analysis plans.• Perform statistical analyses using SAS, R, STATA, and Python, and provide in-depth interpretation of results for both technical and non-technical audiences.• Develop statistical methodologies for exploratory studies to accelerate intervention discovery.	
	Project Assistant June 2018—August 2020	LONI, Keck School of Medicine of USC Los Angeles, CA
	<ul style="list-style-type: none">• Aggregated, maintained, and harmonized data from multisite aging neurobiology cohort studies.• Implemented pipelines for brain image segmentation and cut processing time by 40%.• Developed tools and dashboards for efficient exploratory analysis of cohorts, resulting in 2 predoctoral publications.	
SKILLS	Data Analysis & Management : R, STAN, SAS, STATA, Python, SQL, Julia. Statistical methodology : Clinical trial design, randomization methodologies, survival analysis, longitudinal modeling, causal inference, Bayesian inference. Machine Learning : Deep learning, Predictive modelling. Neuroimaging : Freesurfer, SPM, CAT12, AFNI. Miscellaneous : Git and GitHub, Bash, MATLAB, Adobe Illustrator.	
ONGOING CLINICAL PROJECTS	Exercise in Adults With Mild Memory Problems (EXERT) [Phase III] : <ul style="list-style-type: none">• Validate study findings and performed ad hoc analyses for exploratory objectives.• Conduct post hoc analyses to contextualize study findings.• Develop a brain imaging pipeline for segmentation and outcome validation.• Generate Tables, Listings, and Figures (TLFs) for publications. Safety, Tolerability, PK and PD of Posiphen in Subjects With Early Alzheimer's Disease (DISCOVER) [Phase Ib] : <ul style="list-style-type: none">• Validate primary findings, conduct post-hoc analyses.• Create TLFs for inclusion in primary publication.• Implement stable isotope labeling kinetics algorithms to evaluate protein production rates Lifestyle Enriching Activities for Research in Neuroscience, intervention trial (LEARN-it) [Exploratory] : <ul style="list-style-type: none">• Develop pipelines for data extraction, processing, and integration from cognitive batteries.• Design statistical analysis plans for comparing two interventions across various outcomes.• Produce regulatory reporting documents and TLFs for publications.	
LATEST PUBLICATIONS	Aslanyan V , Ortega N, Fenton L, et al. <i>Protective effects of sleep duration and physical activity on cognitive performance are influenced by -amyloid and brain volume but not tau burden among cognitively unimpaired older adults</i> . NeuroImage: Clinical. 2023 Aslanyan V , Pa J, Hodis HN, et al. <i>Generalizability of cognitive results from clinical trial participants to an older adult population: Addressing external validity</i> . Alzheimer's Dement. 2023; 15:e12417	
REFERENCES	Wendy J. Mack, PhD, Director of BERD Core at SC CTSL. Judy Pa, PhD, Co-director of ADCS at UC San Diego.	