Mariah (Chambers) Perez

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LinkedIn: in/mariah-perez-504a3a182 | **GitHub:** mariah-perez (private repositories only)

Education

MASTER OF SCIENCE | EASTERN UNIVERSITY

· Data Science | (GPA: 4.000)

BACHELOR OF SCIENCE | INDIANA UNIVERSITY-BLOOMINGTON

· Major: Biochemistry (GPA: 3.932); Minor: Psychology

· Highest Distinction | Departmental Honors | Women in STIM (Science, Technology, Informatics, and Math)

Publications

Chambers, Mariah et al. *Lipid Membrane-Assisted Condensation and Assembly of Amphiphilic Janus Particles*. 2016.

Work Experience

SELF EMPLOYED | HOMEMAKER | 3 YEARS

· Managed household tasks including budgeting and scheduling

· Researched and implemented age-appropriate education

MOLECULAR TECHNOLOGIST| FLORIDA WOMAN CARE LABORATORY | 3 YEARS

· Additional roles: Laboratory Safety Officer and Patient Safety & Process Improvement Committee Member

· Performed quality control, assurance, and management procedures per protocol

· Supervised and assessed training needs; trained new hires; maintained department's competencies

· Performed molecular diagnostic testing and genetic non-invasive prenatal testing

LABORATORY RESEARCH ASSISTANT | INDIANA UNIVERSITY | 3 YEARS

· Collected, organized, and analyzed data about relationships between macrophage cells or lipid membranes and particles (nano- to micron-sized)

· Experience with fluorescence microscopy, confocal microscopy, cell culture, materials, and lipids

· Conference Presentation: "The Effect of Ligand Mobility on Phagocytosis in Macrophage Cells" at Indiana University Undergraduate Research Conference

WOMEN IN STIM LLC CIRCLE GROUP MENTOR | INDIANA UNIVERSITY | 1 YEAR

· Scheduled and attended meetings

· Provided emotional/intellectual support and supplied resources to students relevant to their career goals

Technical Skills

· Clinical Laboratory: Hologic Panthers (including Links and Plus features); Hologic Tomcat; Vanadis Extract, Core, and View

· Programs/Languages: Python, R, PostgreSQL, Microsoft Office, Vital Axis, exposure to Tableau and HTML/CSS

· Microscopy: fluorescence, bright field, and confocal; exposure to SEM and TEM

References

Available upon request