

# 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 | 4 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