

## Curriculum Vitae

**Maryan Theresa Arrieta, PhD, RN**

### EDUCATION

| <u>Degree</u> | <u>Specialty</u> | <u>Institution, Location</u>      | <u>Date</u> |
|---------------|------------------|-----------------------------------|-------------|
| PhD           | Nursing Science  | Rush University                   | 2025        |
| BSN           | Nursing          | University of Illinois at Chicago | 2016        |

### LICENSURES, CERTIFICATIONS, and POST-GRADUATE CERTIFICATES

| <u>Type</u>      | <u>State/Agency/Institution</u> | <u>Date</u> |
|------------------|---------------------------------|-------------|
| Registered Nurse | Illinois                        | May 2026    |

### EMPLOYMENT

| <u>Institution</u>             | <u>Rank or Title</u>                   | <u>Dates</u> |
|--------------------------------|----------------------------------------|--------------|
| Loyola University Chicago      | Clinical Assistant Professor           | 2026-Present |
| Snke                           | Senior Biomedical Solutions Specialist | 2024-2026    |
| Level Ex                       | Senior Biomedical Solutions Specialist | 2021-2024    |
| Rush University Medical Center | Clinical Research Nurse                | 2019-2021    |
| Rush University Medical Center | Registered Nurse II                    | 2017-2019    |

### HONORS, AWARDS, and MEMBERSHIPS in HONOR SOCIETIES

| <u>Award or Honor</u>           | <u>Society/Agency/Institution</u>  | <u>Date</u> |
|---------------------------------|------------------------------------|-------------|
| Golden Lamp Society Scholarship | Rush University College of Nursing | 2024        |
| Honors College                  | University of Illinois at Chicago  | 2012-2016   |

### RESEARCH AND SCHOLARLY EXPERIENCE

#### Research Projects

Project Title: Validity of an Electronic Nose to Identify Persons with Parkinson's Disease Using Urine

Role: Principal Investigator

Dates of Project Period: 2023-2025

Project Title: Comparing Linear and Nonlinear Models for Parkinson's Disease Detection in Urine Using an Electronic Nose

Role: Principal Investigator

Dates of Project Period: 2022-2023

Project Title: Review of Linear and Nonlinear Models in Breath Analysis by Cyranose 320

Role: Principal Investigator

Dates of Project Period: 2021-2022

Project Title: Comparison of Culture-Bound Depressive Symptoms in Pregnant Women

Role: Principal Investigator  
Dates of Project Period: 2015-2016

## PUBLICATIONS

### Refereed Published Articles

Swanson, B., Bishop-Royse, J., Keshavarzian, A., Balk, R., Bhushan, A., Moy, J., Landay, A., Julion, W., Mehta, J., **Arrieta, M.**, Behun, D., Bowlen, M., & Kang, M. (2025). Examination of unique volatile organic compound signatures in nasopharyngeal test swab viral transport media using an electronic nose. *PloS one*, 20(9), e0332399.

<https://doi.org/10.1371/journal.pone.0332399>

**Arrieta, M.**, Swanson, B., Fogg, L., & Bhushan, A. (2023). Review of linear and nonlinear models in breath analysis by Cyranose 320. *Journal of breath research*, 17(3), 10.1088/1752-7163/accf31. <https://doi.org/10.1088/1752-7163/accf31>

Sumo, J., Staffileno, B. A., Warner, K., **Arrieta, M.**, Cross, M., & O'Malley, M. (2023). Initial outcomes and lessons learned from implementation of an online diversity & inclusion community. *Nursing outlook*, 71(4), 101989. <https://doi.org/10.1016/j.outlook.2023.101989>

Sumo, J., Staffileno, B. A., Warner, K., **Arrieta, M.**, & Salinas, I. (2021). The development of an online diversity and inclusion community: Promoting a culture of inclusion within a college of nursing. *Journal of professional nursing : official journal of the American Association of Colleges of Nursing*, 37(1), 18–23. <https://doi.org/10.1016/j.profnurs.2020.10.002>

Swanson, B., Fogg, L., Julion, W., & **Arrieta, M. T.** (2020). Electronic Nose Analysis of Exhaled Breath Volatiles to Identify Lung Cancer Cases: A Systematic Review. *The Journal of the Association of Nurses in AIDS Care : JANAC*, 31(1), 71–79.

<https://doi.org/10.1097/JNC.000000000000146>

## PROFESSIONAL ACTIVITIES

### Professional Community Service

| <u>Organization</u>                           | <u>Role/Contribution</u> | <u>Date(s)</u> |
|-----------------------------------------------|--------------------------|----------------|
| Rush Community Service Initiative Program     | Member                   | 2019           |
| Reproductive Health Advocates for Adolescents |                          |                |

## UNIVERSITY SERVICE

### Service to Rush University System for Health

| <u>Committee</u>    | <u>Role</u> | <u>Date(s)</u> |
|---------------------|-------------|----------------|
| Lactation Committee | Member      | 2017-2021      |

### Service to Rush University College of Nursing

| <u>Committee</u>                                 | <u>Role</u>                        | <u>Date(s)</u> |
|--------------------------------------------------|------------------------------------|----------------|
| PhD Curriculum Committee                         | PhD Nursing Student Representative | 2019-2021      |
| Diversity & Inclusion Communication Subcommittee | PhD Nursing Student Representative | 2019-2021      |