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## Magnolia Ariza-Nieto

### Molecular Medicine Diagnostics

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### PROFESSIONAL STATEMENT

My professional focus lies at the intersection of human health, the environment, and personalized medicine, shaped by my extensive global training and international experience. I am particularly interested in the etiology of obesity and the factors that contribute to its development, with a focus on how diet, physical activity, and genetics influence obesity at both the individual and population levels. My research utilizes data mining techniques and clinical data analysis to uncover patterns and biomarkers that can improve diagnostics and inform personalized treatment strategies. By analyzing clinical data, I aim to develop more precise approaches for managing obesity and related metabolic disorders. Ultimately, I aim to contribute to the development of tailored health solutions that enhance patient outcomes and quality of life, particularly for older adults, ensuring that treatments are individualized to meet the diverse needs of global populations.

### EXPERIENCE

**epiWELL LLC, Ithaca, NY** *Founder, CEO-Principal Investigator*

- Obesity, etiology, and diagnostics
- CDC-National Diabetes Prevention Program Recognized provider
- Clinical Research in vivo and in vitro
- Clinical data mining and analysis

**Finger Lakes Language Services LLC, Ithaca, NY** *Founder-CEO, Spanish Interpreter*

- Spanish Interpreter and translator
- Community health partner

**Cornell University, Ithaca, NY** *Academic researcher associate*

- Department of Biomedical Engineering-in vitro models
- Food Science and Nutrition-Micronutrient bioavailability

### EDUCATION

**University of Arkansas, Fayetteville, AR** *Ph.D.*

Functional genomics. Cell and Molecular Biology

**Wageningen University, Wageningen, The Netherlands** *MS.C.*

Biotechnology, Food Science, and Nutrition

**Universidad INCCA de Colombia** *Bachelor of Engineering*

Process Engineering of Functional Food and Phytonutrients

### CERTIFICATIONS

Front End Web Development-**CanCode, Albany, NY**

AI Essentials-**CanCode, Albany, NY**

SQL-ETL-**CanCode, Albany, NY**

Python for Data Analytics-**CanCode, Albany, NY**

NY State Citizen Public Health Leader-**NY Department of Health**

Manuscript reviewer, **The JCEM-Endocrine Society**

National Diabetes Prevention Program (NDPP)-**CDC Full Recognition to epiWELL LLC**