

Magnolia Ariza-Nieto Ph.D.

Molecular Medicine Diagnostics

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PROFESSIONAL STATEMENT

My professional journey is deeply rooted in the convergence of human health, the environment, and personalized medicine, a trajectory shaped by my extensive global training and international experience. My specific focus is on the etiology of obesity, examining changes in functional genomic profiles and the contributing factors. A particular interest in how diet, physical activity, and the environment influence obesity at both individual and population levels. My research employs data mining techniques and clinical data analysis to identify patterns and biomarkers that can enhance diagnostics and guide personalized treatment strategies. The ultimate goal is to develop more precise approaches for managing obesity and related metabolic disorders, thereby contributing to the creation of tailored health solutions that improve patient outcomes and quality of life, especially for older adults, and cater to 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, Lecturer*

- Spanish Interpreter and translator

Cornell University, Ithaca, NY *Academic researcher associate*

Department of Biomedical Engineering, Human Body on a Chip, *in vitro* models

Food Science, Nutrition, and Veterinary Medicine Diagnostic Center

EDUCATION

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

Functional genomics. Cell and Molecular Biology

Wageningen University. Wageningen, The Netherlands *M.Sc.*

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 Recognition to epiWELL LLC**