

Magnolia Ariza-Nieto Ph.D.

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, 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**