

Ariel Mundo

Graduate Research Assistant

Department of Biomedical Engineering · University of Arkansas · Fayetteville, AR, US

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Education

University of Arkansas, PhD. Biomedical Engineering May 2022

Universidad Rafael Landivar (Guatemala), B.S. Chemical Engineering (cum laude) 2009

Employment

University of Arkansas

Graduate Research Assistant (University of Arkansas, Fayetteville, AR, US) 2017-Present

- Conduct experiments in oncology using colorectal cancer murine models
- Design and conduct molecular biology and optics experiments
- Analyze and interpret the collected data using hypothesis testing
- Technical writing of academic papers

Universidad Rafael Landivar

Teaching Assistant Professor 2016-2017

- Teach Chemistry at the Environmental and Agricultural Sciences Department
- Prepare lectures and supervise lab experiments
- Update laboratory manuals

Adjunct Professor 2013-2017

- Teach Introductory Chemistry in the Engineering, Environmental and Agricultural, and Health Sciences Departments
- Prepare lectures and supervise lab experiments
- Design and implement exams in accordance with Departmental guidelines

Lacteos Balcanicos Glad

Assistant Plant Engineer 2012

- In charge of the production of the main product (yogurt, \approx 3000 L per week)
- Supervise plant personnel
- Report to the Chief Engineer to determine production inventory needs

Awards and Recognition

Fulbright Faculty Development Scholarship 2017-2019

Only two scholarships awarded for that period in the whole country

OMNI Endowed International Scholarship 2020

Granted as a scholar fulfilling the mission of the OMNI Center in Fayetteville

Professional Awareness, Advancement, and Development (PADD) Scholar 2020-2021

Received funding and participated in the PAAD program to supplement my graduate education in persuasive speaking, commercialization, and data science.

Grants

Arkansas Biosciences Institute 2021 seed grant competition 2021

Main author on a proposal submitted with Dr. Timothy Muldoon to examine gene expression and optically derived markers in a mouse model of colorectal cancer (USD 30,000 in funding). Proposal scored in the top 2 of all the individual research projects for the cycle.