

Ariel Mundo

Graduate Research Assistant

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

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Skills

Molecular biology (RT-qPCR) and optics (Diffuse Reflectance Spectroscopy)
Ample experience performing animal studies
Statistics: Experimental design, Semi-parametric statistics and hypothesis testing in longitudinal studies
Reproducible technical writing using **RMarkdown**, **Bookdown** and LaTeX
Languages: Spanish (native), English (complete professional proficiency)

Education

University of Arkansas, PhD. Biomedical Engineering Expected 2022
Universidad Rafael Landivar (Guatemala), B.S. Chemical Engineering (cum laude) 2009

Employment

University of Arkansas

Graduate Research Assistant (University of Arkansas, Fayetteville, AR) 2017-Present
Conducting biomedical research in oncology in animal models using optics and molecular biology
Technical writing of academic papers, conference presentations, and student mentoring

Universidad Rafael Landivar

Teaching Assistant Professor 2016-2017
Professor of Chemistry at the Environmental and Agricultural Sciences Department
Prepared lectures, supervised labs, mentored students, wrote lab manuals
Adjunct Professor 2013-2017
Taught Introductory Chemistry in the Engineering, Environmental and Agricultural, and Health Sciences Departments

Lacteos Balcanicos Glad

Assistant Plant Engineer 2012
In charge of the production of the main product (yogurt, \approx 3000 L per week)

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 my advisor to examine gene expression and optically derived markers in a mouse model of colorectal cancer (\$30,000 in funding). Proposal scored in the top 2 of all the individual research projects for the cycle.