Ariel Mundo

Graduate Research Assistant
Department of Biomedical Engineering · University of Arkansas · Fayetteville, AR
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Skills

Statistical analysis: Semi-parametric statistics, hypothesis testing
Data visualization, simulation using R: **tidyverse, mgcv, ggplot2**
Technical writing using **RMarkdown, Bookdown** and LaTeX
Project management and collaboration using GitHub
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, ≈ 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.*