

Moutasem J. Mansi

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OBJECTIVE

Aspiring Process Engineer and experienced Lab Tech within a cGMP environment. Among my greatest skills are root problem solving, and attention to detail. I enjoy learning new technologies and finding ways to optimize a process. I am currently seeking my next chapter and a fun challenge

EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, CA

Bachelor of Science in Chemical & Biomolecular Engineering / Tech. Breadth in Technology Management

Fall 2019

- Board of Trustee Scholar 2016/2017
- SEAS Student Board Advisor

PROFESSIONAL EXPERIENCE

Viracor Eurofins Transplant Genomic Institute

Kansas City, MO

TRUGRAF Lab Technologist

Dec 2020 – Present

- Processing specimens through RNA extraction, GLOBINclear treatment, 3'IVT synthesis, hybridization
- Examining the workflow in the lab area and suggesting areas for improvement
- Performing Calculations for 3'IVT reaction setup and HYP setup

Viracor Eurofins Biopharma Services

Kansas City, MO

Laboratory Assistant Biopharma

July 2020 – Dec 2020

- Conducted and maintaining quality assurance tasks and validating assurance records of biological and cell therapy products
- Scaled up and improved daily production of samples tested from a couple hundred to more than 3000 samples
- Ensured applicable SOP's and PPE are utilized in lab environment and priority tasks are completed in a timely manner
- Oversaw training of employees in developing and achieving individual and corporate standards

California Nano-System Institute at UCLA (~1 year)

Los Angeles, CA

Laboratory Project Coordinator

Dec 2018 – Dec 2019

- Restructured and generated experiments used in academic settings and simplified protocols to enhance outcome efficiency
- Researched and modified robust experiments weekly and presented it to the PI of the laboratory
- Refined and revised experimental lab SOP's to assure that it met all guidelines before its distribution to students

California Nano-System Institute (Division of Khadem-Houssieni lab)

Los Angeles, CA

Undergraduate Research

Jan 2018 – Apr 2018

- Chaired an aneurysm research study to gain an understanding of how biomaterials, such as Laponite, can be a solution to reducing the risk of aneurysms from bursting and expanding further
- Conducted and collected data on various biochemical ratio tests to study the effect of Laponite on hydrogel shear
- Assisted post-doctorate fellows with article editing and PowerPoint preparing

PROJECTS

Molecular Biology and Biochemistry Methods

Los Angeles, CA

- Constructed a plan to clone and characterize a gene (rRNA), induced and detected the desired protein expression
- Measured protein concentration, enzyme activity, calculated specific activity & fold, purification
- Performed DNA PCR, Sequence Analysis, Cell Culturing, Gel protein, and HPLC/UPLC/FPLC
- Executed Bradford assays, Kinetic assays, enzyme activity assays

SKILLS

Lab Techniques: PCR, Bradford assays, Gel Based methods, HPLC/UPLC/ FPLC, Cell Culturing, Pipetting, Mass Spec, Intact Mass Spec, Titration, Fermentation, Cloning, Chromatography, Purification cell-based assays, enzyme-linked immunosorbent assay (ELISA), reporter gene assays, etc.

Computer Programs: MATLAB, Excel, Python, R, VBA, SQL, Empower Software, Aspen, Pro/II Software, LIMS

Languages: Arabic, French, Portuguese

CERTIFICATIONS

Professional Data Scientist with IBM

Does Not Expire