

Williams Serrano

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Tissue Manufacturing Operator

Result-oriented and analytical-minded biomedical engineer with hands-on experience executing research, delivering industrial and laboratory services with precision and accuracy.

Education

Bachelor of Science in Biology

Montclair State University, Montclair, NJ 05/2019

Academic Projects

SEA Phage Genomics

MSU, Sep 2015 - Dec 2015

Skills

- Lab Testing & Reporting
- Mentoring and Coaching
- Quality Assurance
- Team Management
- Supervising & Training
- Supplies Management
- In-situ Hybridization
- Microbiological Analysis

Certification

Certificate of Appreciation, For outstanding performance & commitment to excellence & community services.

Gateway to Dentistry, in recognition of a commendable performance level in the preclinical dental school externship program.

Qualifications Summary

- Adept at managing multiple tasks, quickly learning new materials and skills, collaborating in teams with professionals, and conducting independent work assignments.
- Knowledgeable in specimen analysis, equipment maintenance, and streamlining laboratory procedures to test in accurate and timely manner.
- Excellent communication skills cultivating and maintaining positive professional relationships with key stakeholders and executives to realize organizational goals.

Career Experience

Celularity, Florham Park, NJ

Jan 2022 – Jun 2022

Clinical Tissue Manufacturing Operator

Participate in process development, training activities and technical process transfers for existing and future products. Execute protocols to support manufacturing operations. As needed, provide daily technical updates to Technical Operations management. Routinely prepare and maintain cell culture reagents and media. Establish ongoing supply of donor cell stock and master cell banks. Ensure the proper operation and performance of manufacturing equipment and accurately complete equipment logbooks and associated records. As required, participate in the manufacturing environment cleaning program and work to assure all manufacturing suites, equipment and critical environments are maintained on schedule and per qualified methods.

- *Harvest stem cells from human placental tissue and manufacture stem cell and tissue-based therapies and mediations*
- *Trained in cGMP. Daily tasks include working in aseptic environments in ISO 6,7, and 8 suites.*
- *Operation, execution, and maintenance of laboratory and manufacturing equipment*

SiParadigm, Pine Brook, NJ

Nov 2016 – Dec 2021

Cytogenetic Technologist/Specimen Accessioner

Implement optimal banding techniques to develop microscopic slides and harvest cell cultures, specifically from Peripheral Blood and Bone Marrow, with the help of substances like cell releasing agents, mitotic reagents, and cell fixatives. Leverage in-depth knowledge to obtain and formulate biological specimens for cytogenetic analyses from multiple human tissues aim at detecting chromosomal abnormalities link with malignancies. Supported other laboratory personnel in various area of laboratory, while processing and examining samples for diagnosis/treatment. Proven capability in upholding secure, operational hygienic equipment and lab zones while ensuring set standards.

- *Visualized and mapped the genetic material of individual's cells by executing numerous processes of fluorescent in-situ hybridization, including paraffin-embedded tissue and plasma cell enrichment*
- *Recognized and swabbed nursing homes work in New-York and New-Jersey by assisting pathologists while serving as frontline Covid-19 operational team member.*

Frank ENCH – West Orange, US

May 2015 – Jun 2019

Landscaping Laborer

Acted as key member of the team and managed operations aimed at maintaining residential landscapes to ensure healthy environment. Managed end-to-end maintenance activities for ground, consisting weeding, general clean-up, and trimming to enhance the appearance of visualities