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## Objective

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To utilize my Master of Science in Biotechnology.

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## Core Qualifications

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- Laboratory experience: PCR, QC testing, ELISA assays, gel electrophoresis, cell culture, and GMP manufacturing
- Excellent customer service
- Proficient in all components of Microsoft office
- Dependable
- Attention to detail
- Fast learner
- Self-Motivated

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## Education

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### University of Texas at San Antonio 2012

San Antonio, TX  
Biotechnology  
Master of Science  
Overall/Major GPA: 3.57

### University of Texas at El Paso 2008

El Paso, TX  
Biology  
Bachelor of Science  
Overall/Major GPA: 3.46

### El Paso Community College 2006

El Paso, TX.  
Associates of Arts  
Overall/Major GPA: 4.0

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## Experience

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### Manufacturing Lead

Sept 2020 – Current

#### San Diego Blood Bank – San Diego, CA

- cGMP cell culture manufacturing, processing cord blood units, and testing of samples.
- Perform cGMP cell culture isolation of epithelial cells and transduction from umbilical cord tissue.
- Oversee and perform Cell Therapy lab functions through processing, freezing, testing and storage of cord blood units according to FDA, AABB, NMDP, ISO standards, organizational procedures, and GMP/GTP guidelines.
- Maintain close working relationship with management keeping them informed on issues pertaining to the Cell Therapy laboratory.
- Ensure all techs complete trainings/competencies, SOP acknowledgement, and supply inventory on-time.
- Raw material procurement, manufacturing events, product testing, facility cleaning, environmental monitoring, and preventative maintenance.

### Manufacturing Associate II

Jul 2020 – Sept 2020

#### Sorrento Therapeutics – San Diego, CA

- Perform processing, freezing, and storage of CAR-T cell isolation and transduction from PBMC collections according to FDA, ISO standards, organizational procedures, and GMP/GTP guidelines.
- Assist with process development tasks including cell culture, cell banking, media preparation and bioreactor operation for production of clinical and commercial products.
- Assist with reviewing and revising of Batch Records, SOPs, and investigations of Quality Events.
- Maintain and manufacture mammalian cells using good aseptic technique.
- Maintain adequate material inventory through request for purchase of additional supplies.
- Ensure all training/competencies, SOP acknowledgement, and equipment maintenance is up to date.

### Life Sciences Researcher

May 2020 – Jun 2020

#### LifeNet Health – San Diego, CA

- Perform liver tissue cell isolation including processing, freezing, QC testing, and storage of Stellate, Kupffer, and Hepatocyte cells according to organizational procedures.
- Assist with writing/updating SOPs.
- Maintain adequate inventory of supplies through request for purchase of additional supplies.
- Maintain close working relationship with appropriate management keeping them informed on issues pertaining to the cell culture lab.
- Ensure that all cell culture lab procedures provide for safety and efficacy of R&D products to include QC testing of samples and calibration/preventative maintenance of equipment.

### Cell Therapy Laboratory Supervisor

Feb 2020 – May 2020

**San Diego Blood Bank – San Diego, CA**

- Coordinate activities of the Cell Therapy lab to determine priorities regarding cGMP cell culture manufacturing, processing cord blood units, and testing of samples.
- Oversee and perform cGMP cell culture isolation of epithelial cells and transduction from umbilical cord tissue.
- Oversee and perform Cell Therapy lab functions through processing, freezing, testing and storage of cord blood units according to FDA, AABB, NMDP, ISO standards, organizational procedures, and GMP/GTP guidelines.
- Assist with execution of Batch Records, SOPs, and investigations of Quality Events.
- Maintain close working relationship with management keeping them informed on issues pertaining to the Cell Therapy laboratory.
- Ensure all techs complete trainings/competencies, SOP acknowledgement, and supply inventory on-time.
- Operational scheduling of raw material procurement, manufacturing events, product testing, facility cleaning, environmental monitoring, and preventative maintenance.

**Associate Scientist**

Jun 2019 – Jan 2020

**Gencure – San Antonio, TX**

- Clinical-scale GMP manufacturing, in process testing, and QC release testing of cell therapy products.
- Operational scheduling of raw material procurement, manufacturing events, product testing, facility cleaning and environmental monitoring, calibration, and preventative maintenance.
- Assist with writing and execution of Batch Records, SOPs, and investigations of Quality Events.
- Compilation and analyses of data (total air particulates, air viable counts, viable counts from settling plates/contact plates) and generation of written reports for environmental monitoring program.
- Maintain adequate inventory of supplies through request for purchase of additional supplies.
- Maintain close working relationship with appropriate management keeping them informed on issues pertaining to environmental monitoring.
- Comprehensive knowledge of specialized equipment operation and troubleshooting.
  - Nucleocounter NC-200 Cell Counter: obtained viable MSC live cell counts.
  - Sepax 2 RM: Cell separation of bone marrow.

**Lead Laboratory Technologist**

Aug 2018 – Jun 2019

**Gencure – San Antonio, TX**

- Perform, oversee, and lead Cord Blood laboratory function through high complexity, routine, and special lab procedures.
- Oversee and perform processing, freezing, testing and storage of cord blood units according to FDA, AABB, NMDP, ISO standards, organizational procedures, and GMP/GTP guidelines.
- Assist with writing and execution of validations, SOPs, and investigations of Quality Events.
- Coordinate activities of the Cord Blood lab to determine priorities regarding processing and testing of units through teamwork.
- Maintain adequate inventory of supplies through request for purchase of additional supplies.
- Train and lead new Cord Blood lab employees.
- Maintain close working relationship with appropriate management keeping them informed on issues pertaining to the Cord Blood laboratory.
- Ensure all techs complete trainings/competencies, SOP acknowledgement, supply inventory, and equipment maintenance on-time.
- Ensure that all cord blood procedures provide for safety and efficacy of products to include calibration and preventative maintenance.

**Laboratory Technologist**

Jan 2015 – Aug 2018

**Gencure – San Antonio, TX**

- Performed cord blood accessioning, testing, processing, and maintained quality control records with compliance.
- Ensured that all aspects from collection, processing, testing and distribution were integrated.
- Reviewed test results and monitored incoming samples for testing and ensured timing and temperature were maintained.
- Assisted in instrument validation and procedure validation in addition to departmental projects for process improvement.
- Assisted and developed testing procedures in accordance with NMDP, AABB, AATB, FACT, ISO, FDA, organizational and cGMP standards.
- Transported cord blood/PBSC samples to and from hospitals as needed.
- Assisted with training new employees as needed and maintained annual training competencies for the testing laboratory.
- Comprehensive knowledge of specialized blood bank equipment operation and troubleshooting.
  - Sysmex Cell Counter: obtained CBC of cord blood samples.
  - Canto II Cytometer: CD34, CD45 analyses of hematopoietic stem cell yield of processed cord blood samples.
  - Sepax: Cell separation of cord blood.

**Laboratory Technologist**

May 2014 – Jan 2015

**Qualtex Laboratories – San Antonio, TX**

- Responsible for infectious disease testing, sample processing and reagent preparation.
- Reviewed test results and promptly reported abnormalities.
- Prepared detailed documentation and assisted in instrument validation.
- Maintained instrument operation and procedural competencies required by the department.
- Performed laboratory processes according to departmental Standard Operating Procedures and maintained accurate documentation.
- Comprehensive knowledge of specialized blood bank equipment operation and troubleshooting.
  - Abbott Prism: Human Immunodeficiency Virus, Hepatitis C Virus, Antibody to Hepatitis B Surface Antigen, Hepatitis B Virus Core Antigen, Human T-Lymphotropic Virus Types I and II, Trypanosoma cruzi Antigen Testing.
  - S201 Platform: Human Immunodeficiency Virus, Hepatitis C Virus, Antibody to Hepatitis B Surface Antigen Testing.

**Research Assistant/Manufacturing Coordinator**

Oct 2012 – May 2014

**INCELL Corporation LLC.** – San Antonio, TX

- Media manufacturing
- Tissue processing
- Quality control: Mycoplasma (PCR and gel electrophoresis), Sterility, Endotoxin, PH, and Osmolality testing.
- ELISA assays
- Immunostaining
- Cell counting using a hemocytometer
- Made Agar plates
- Cell culture
- Autoclaved lab glassware and media.
- Created protocols and designed studies.
- Worked with bacteria (*E.coli*, *MRSA*, and *Pseudomonas aeruginosa*)
- Worked with the fungus *Candida albicans*

**Research Technician**

Sept 2011 – Oct 2012

**Worldwide Clinical Trials** – San Antonio, TX

- Performed Phase I clinical trials and collected/processed blood and urine samples per protocol.
- Performed clinical data capture and data entry using Oracle LabPas.
- Took vital signs and ECGs of study subjects.
- Reviewed data and performed QC.
- Went over medical history and informed consent with study subjects.

**Teaching Assistant**

Dec 2011 – Apr 2012

**University of Texas at San Antonio** – San Antonio, TX

- Created and presented PowerPoint slides to university students.
- Lectured students on genetic subject material.
- Explained how to use experimental equipment to students.
- Made sure students understood experimental protocols.
- Created and graded quizzes.

**Certifications**

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MT(AAB) Generalist certification

**Fellowships and Awards**

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Dean's list: Spring 2007

**Memberships/Scholarly Societies**

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Member of the Golden Key National honor society.

**Languages**

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Fluent Spanish

