



JOB DESCRIPTION

I. POSITION SUMMARY:

The Research Assistant will assist in the development and characterization of stem cell and cell sheet research for the treatment of rare diseases. This individual will work under the supervision of the Principal Investigator and will have an excellent opportunity to gain life sciences lab experience in a state-of-the-art research environment. This position is primarily located in the laboratory with occasional office work required.

SALARY:

Salary ranges from \$50,000 to 65,000.

BENEFITS:

- Eligibility for standard medical, dental and vision insurances.
- Life insurance and 401k with company matching., subject to applicable waiting periods.
- Options to participate in Flexible spending account (FSA) and Health saving account (HSA).
- Fifteen (15) days of Paid time off (PTO) per year (earned on an accrual basis).
- Twelve (12) paid company holidays.

DUTIES AND RESPONSIBILITIES:

- Assist with standardized experimental protocols and carry out stem cell related experiments under the direction of the Principal Investigator.
- Perform lab techniques, including PCR, DNA, RNA extractions, western blots, ELISA, sequencing, and other laboratory techniques.
- Assist with the culturing, harvesting, vitrification, and thawing of cells.
- Participate in cell sheet evaluation using morphology, immunohistochemistry, and transparency measurements.
- 3D printing, 3D Design (Fusion 360).
- Programming Python, Arduino software.
- Collect and process data results via photo plotting.
- Assist with researching and compiling information for reports and papers as needed.
- Carry out laboratory maintenance including cleaning equipment, ordering, and keeping an inventory of laboratory samples.
- Perform other duties as designed.

SKILLS AND ABILITIES:

- Strong understanding of scientific concepts and biological processes.
- Familiarity with laboratory testing and data recording.
- Proven track record of ability to conduct research with strong attention to detail.
- Ability to work independently and collaboratively in a fast-paced environment and be flexible to change.

- Excellent oral and written communication skills, including effective scientific writing and presentation skills.

MINIMUM REQUIREMENTS:

- Bachelor's Degree in biology or related field required.
- 1-2 years of related work experience in a biological research laboratory is a plus.

II. COMPLEXITY OF WORK:

Requires good verbal and written communication skills, tact, accuracy, and the ability to prioritize work and work well under extreme pressure. Ability to work independently and interface with various levels of administration and management. Must maintain all levels of confidentiality and have a professional, positive attitude towards the job.

III. SUPERVISION OF OTHERS:

No, but the situation could change.

IV. RESPONSIBILITY FOR CONFIDENTIAL INFORMATION:

The majority of information processed by the Research Assistant is extremely confidential and requires utmost discretion in handling. In addition, the Research Assistant is often referred unusual and sensitive requests for information, which may involve other office staff. The Research Assistant is required to keep this information confidential and not discuss it with the other staff members in the office.

V. UNUSUAL JOB REQUIREMENTS:

May be required to perform other duties as appropriate to the needs of Emmaus Medical that are not listed and in addition to this job description.