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## POSITION DESCRIPTION

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**Title:** Senior Research & Development Associate

**Department:** Research Cell Biology

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### Position Overview:

This position is responsible for assisting in several biology/biochemistry projects to characterize current clinical product, an extracorporeal liver assist device. Senior R&D Associate must be able to demonstrate the understanding and use of scientific theory that crosses research techniques.

Senior R&D Associate should demonstrate creativity in (i) designing and executing studies to characterize product mechanism of action, (ii) designing and executing experiments to translate in vitro results to clinical findings, and (iii) supporting relevant documentation for regulatory filings. Senior R&D Associate will complete projects under limited guidance, and should demonstrate teamwork and initiative in the interactions with co-workers at all levels within the organization.

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### Essential Duties and Responsibilities include, but are not limited to:

- Developing cell-based models and associated test methods to evaluate effects of the clinical product.
- Designing, documenting, developing protocols, and executing experiments; and organizing and analyzing associated data into PowerPoint presentations.
- Supporting abstract submission and poster presentations at scientific meetings.
- Supporting regulatory documentation with written protocols and reports as required.
- Planning and communicating the status, requirements and decision points of current projects with internal department manager(s).
- Searching for appropriate vendors, materials and components to complete assigned projects.
- Supporting general lab maintenance, preventative maintenance, calibrations, and cleaning as required.
- Adhering to company policies and practices.

This position has no supervisory responsibilities; however, may provide guidance, training, or instruction for other Associates or interns, as required.

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### Position Requirements:

#### Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Experience in cellular/molecular biology, primary cell culture, and aseptic technique.
- Experience with immunoassays, metabolite assays, PCR, flow cytometry, immunocytochemistry, and Western blotting techniques.
- Ability to summarize and present scientific information, in both written and oral formats.
- Design of experiments, statistical analysis and interpretation of results.
- Organizational skills and ability to complete assignments/tasks with limited supervision.
- Computer skills and familiarity with Microsoft Word, Excel, PowerPoint, graphing software and statistical analysis software.



- Experience/familiarity with FDA-regulated industries and products.

#### Education and Experience:

- B.S. degree in biochemistry, cell biology, molecular biology, or related discipline with minimum of 8 years of professional experience, *or*
- M.S. degree in biochemistry, cell biology, molecular biology, or related discipline with minimum of 6 years of professional experience.

#### Language Skills:

- Ability to read, write, analyze, and interpret written instructions, technical procedures, and scientific information.
- Ability to communicate effectively in oral form to present information and respond to questions from vendor technical support, direct manager(s), and other functional areas members.

#### Mathematical Skills:

- Ability to perform scientific/laboratory calculations, statistical analysis, and an understanding of significant digits and scientific notation.
- Ability to use statistical and graphing software to present experimental findings.

#### Reasoning Ability:

- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists.
- Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.
- Ability to establish hypothesis-driven experimental designs and follow scientific principles in analyzing and interpreting data.

#### Certificates, Licenses, Registrations:

None required

#### Physical Requirements:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Routine laboratory bench work will be required (including standing, repetitive motions, and lifting up to 50 lbs). Ability to use appropriate personal safety protective equipment and work with various chemicals and hazardous materials. Must be willing to work with cells, tissues, or fluids from animal or human sources.