

Postdoctoral Researcher

Do you want to work for an exciting growing biotech startup in New Orleans? Would you like to focus your career on ensuring safer, more effective life-changing therapies are available to patients around the world? If so, AxoSim is looking for you.

We are looking for a postdoctoral researcher to assist in the development of cortical organoid platforms. Through funding from the NIH, AxoSim will use preliminary protocols to expand cell types and applications of its BrainSim™ platform. The model will be then used for screening for potential neurotoxic liabilities, as well as disease modeling. This is a one-year funded position with the potential for an additional 2 years of funding.

Job Duties:

- Develop, validate and conduct standard operating procedures (SOPs) related to cell culture.
- Review scientific literature and design experiments appropriately.
- Collect and analyze data associated with image based and molecular assays.
- Participate in the preparation of papers for publication.
- Prepare reports and presentations.
- Train laboratory personnel as needed.
- Take part in ordering supplies and laboratory management.

Prerequisites:

- Mammalian cell culture and biochemical and molecular biological techniques.
- Background in cell biology, neurobiology and molecular biology, particularly with 3D cultures.
- Experience with neuronal cells and neurodegeneration pathologies.
- Experience collaborating effectively with a team of scientists.
- Agile, detail-oriented, committed to accomplishing project milestones on time.

Preferred Skills

- Working knowledge of electrophysiology techniques, particularly with multielectrode arrays, as well as intracellular and extracellular recordings.
- Surgeries and primary neuronal cells isolation from tissue.
- Experience screening therapeutic compounds and omics analysis.
- Extensive neuroscience background preferred.

About AxoSim

AxoSim is a contract research organization that empowers advancements in human neuroscience through our drug discovery platforms. NerveSim™ is the only in vitro model with high levels of Schwann cell myelination and human-relevant electrical and structural metrics. BrainSim™ recreates a biomimetic 3D environment, featuring a unique combination of neurons, astrocytes, and



oligodendrocytes. We help pharmaceutical companies develop drugs faster by mimicking the *in vivo* nervous system in an *in vitro* setting.

At AxoSim our diverse team of scientists, engineers, scholars, and support personnel come from around the world. Together, we enjoy a great working environment and rich opportunities to learn, engage, and make a difference. We offer a competitive benefits package including health, dental and paid time off.

How to Apply

Please apply through Indeed.com or email gina.jackson@axosim.com:

- Resume
- Cover Letter

AxoSim is an equal opportunity employer and does not discriminate against any employee or applicant for employment based on race, color, religion, national origin, age, gender, sex, ancestry, citizenship status, mental or physical disability, genetic information, sexual orientation, veteran status, or military status. An employment application with AxoSim is not an employment contract, and is merely intended to evaluate suitability for employment. Employment with AxoSim is "at will" unless otherwise specified in writing. This means that either the Company or the employee can terminate the employment at any time and for any reason, with or without notice, except as otherwise specified in writing.