



**JOB TITLE:** Research Scientist

**DEPARTMENT:** 110 – In Vivo

**ABOUT BRAINCELLS:**

BrainCells Inc. (BCI) is a biopharmaceutical company focused on the development of breakthrough small molecule therapeutics for diseases of the central nervous system (CNS). The Company's technology platform is based on pioneering research in the field of neurogenesis and recent discoveries linking neurogenesis to CNS disease states (for details of the scientists and clinicians involved in the company see <http://www.braincellsinc.com/company/people/scientific-advisory-board>).

BCI is using its neurogenesis technology platform to identify clinical-stage compounds, novel targets and compounds optimal for CNS indications. BCI is building a pipeline of clinical-stage programs to address unmet medical needs in the treatment of mood disorders, psychoses, cognition, brain repair syndromes and other CNS disorders.

**JOB SUMMARY:**

Highly motivated individual to work with cutting edge technology to discover and study small molecule entities in the area of neurogenesis. Seeking experience with techniques such as tissue sectioning, immunohistochemistry and/or immunofluorescence, light or epifluorescence microscopy, confocal microscopy, and experience working with/handling rodents. Possess enthusiasm for working in a team environment and developing challenging ex vivo, cytological and histological assays. Under minimal supervision, will design, implement and analyze cytological and histological studies.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Designs and executes histological experiments.
- Directly participates at the bench and leads and mentors in the planning and execution of experiments.
- Successfully investigates novel immunohistochemical methods of addressing complex neuroscientific paradigms for use in drug discovery.
- Independently analyzes and presents data to scientific team for in depth discussions and trouble shooting.
- Designs and uses standard operating procedures to perform screening procedures with new chemical entities.
- Interacts with project leaders and members of project teams to coordinate the histology research efforts for assigned projects.
- Analyzes data and interprets results in clear format for presentation during project team meetings and project reviews.
- Integrates results into larger project goals and deliverables.
- Keeps current with appropriate technical literature and contributes new ideas to advance project work.
- Grows technical expertise in the applicable field.
- May have overall responsibility for laboratory efficiency, compliance and cleanliness.
- May manage and/or supervise other scientific or administrative staff.
- Performs other duties as assigned.

**KNOWLEDGE/SKILLS/ABILITIES REQUIRED:**

- A PhD or equivalent in the biological sciences.
- 5+ years related experience.
- Extensive experience with in vivo and/or ex vivo neuroscience techniques.
- Familiarity with small molecule study and data handling/analysis.
- Expert knowledge of scientific principles and concepts.

Research Scientist – In Vivo



- Familiarity with a wide variety of *ex vivo* techniques for the study of animal neuroscience, including hippocampal neurogenesis and correlative behavioral effects.
- Extensive experience in sectioning, staining and analysis of rat and mouse brain tissue.
- Experience with design, documentation and execution of experiments.
- Demonstrated success in technical proficiency, scientific creativity, collaboration with others and independent thought.
- Excellent record keeping, attention to detail and communication skills.
- High level of integrity and self-motivation.
- Strong written, verbal, organizational and interpersonal skills.
- Thorough knowledge of MS Office products.
- Ability to work well with superiors, co-workers and direct reports in a laboratory and office environment.
- Ability to change tasks quickly and still maintain attention.
- Ability to regularly lift, push, or pull up to 25 pounds.

**PHYSICAL DEMANDS:**

- While performing the duties the employee is:
  - constantly required to reach computers and other office and laboratory equipment as well as animals and animal cages
  - constantly required to view objects at close and distant ranges
  - frequently required to communicate with others
  - frequently required to sit
  - frequently required to stand
  - frequently required to use fine manipulation and simple grasping in order to handle animals and related laboratory equipment and to utilize the computer and other standard office equipment such as telephone, fax machines, copiers, etc.
  - frequently required to lift and transport items weighing up to 25 lbs.
  - may occasionally be required to travel to meetings and tradeshow
- Equipment typically used: Computers, laboratory equipment.

Note: For the purpose of this summary, occasionally is used to represent up to 1/3 of the time given to the work day, frequently represents 1/3 to 2/3 of the time and constantly represents 2/3 or more of the time.

To apply, send cover letter and resume to [hrdirector@braincellsinc.com](mailto:hrdirector@braincellsinc.com).

**WORK ENVIRONMENT:**

Employee frequently works in an animal laboratory environment with a moderate amount of noise and activity. The work environment is fast-paced and demanding. Workweeks exceeding 40 hours are required as necessary.

*Employee's acknowledgement:* I acknowledge by my signature below, that the duties listed on this job description represent those tasks falling within my immediate responsibility. I must inform my immediate supervisor and the Human Resources Department should I have a significant change in duties and responsibilities after signing this job description.

\_\_\_\_\_  
Signature of Employee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print name of employee