

**Job Title:** Post-Doctoral Fellow

**Date available:** Immediate

**Workplace:** Department of Anatomy, National University of Singapore

**Form of employment:** Full time

**Project description**

We are currently developing a cell-based model of human neural stem cells (NSCs) from mesenchymal stem cells of normal and diabetic mothers to understand the molecular and epigenetic mechanism that control brain development. These studies would enable us to understand the effects of gestational diabetes mellitus on memory and learning.

**Job Description**

Successful candidate will work on 'Generation of human neuronal progenitor cells from umbilical cord mesenchymal stem cells to study diabetes-induced molecular and epigenetic changes in the fetal brain' using molecular, epigenetic, proteomic and imaging techniques, in human tissues, animal models and cell cultures.

**Qualifications**

- PhD in molecular biology/ developmental biology/ neuroscience or equivalent
- Experience in carrying out molecular, epigenetic analyses such as high-throughput gene/ miRNA analyses, ChIP-seq analyses
- Be self-driven to pursue a scientific career, motivated, independent and passionate
- Able to work independently and adhere to stringent timelines
- Possess very good written and oral communication skills

**Contact**

Interested candidates should submit their CVs and three reference letters to e-mail: antstd@nus.edu.sg

Selected candidates will be invited for an interview.

Starting salary will commensurate with qualifications and experience.