

Job Ad: Postdoctoral Research Position

The Tay Lab seeks a highly motivated postdoctoral researcher in the field of computational biology. This role involves the development of novel approaches to analyse and integrate NGS output with high resolution image data and the application of machine learning methods to accelerate workflow in neuroimmunology and neurobiology studies. Areas of focus include 4-D fate mapping of brain cells, as well as identification of molecular signatures of glial cells, to better understand cellular states in the contexts of health and disease.

We provide a dynamic, multi-disciplinary, and diverse research environment with strong international and industrial connections. The successful candidate would be well supported to acquire their own funding for independent research. Prospective applicants should have made significant contributions to their area of study (computational biology, bioinformatics, machine learning, statistics, or related areas), as evidenced by a strong publication record. Prior experience in neuroscience, neurobiology, immunology, or neurotechnology is preferred, but not required. The position is for a period of 2 years with the possibility of extension. The successful candidate would be employed at Boston University School of Medicine.

Qualifications

- A Ph.D. in Computational Biology, Bioinformatics, Computer Science, or a related field
- Familiarity with state of the art in single cell -omic analyses
- Forward-thinking and open to picking up new knowledge and skillsets
- Demonstrated excellence in organisation and time management skills
- Ability to use sound judgment to independently handle a variety of tasks and to shift priorities, as well as to effectively solve problems
- Detail-oriented
- Outstanding communication skills, strong English language ability, sound social skills
- Leadership and mentoring experience are desired

All qualified applicants will receive consideration for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status.

Application package

- Cover letter including a summary of your experiences and achievements, scientific interests, career goals, and why you wish to join our lab
- Diversity statement of ≤ 300 words (e.g., your thoughts on DEIJ)
- Academic CV
- Name, email address, and name of institution/company of 3 references

Submission

Compile application in a single PDF and email to <ttay[at]bu.edu> with the subject line "job ad PD2022".

Deadline

Rolling application. Position should preferably be filled by the fall of 2022. Negotiable start date.