

Research Fellow, Neuroscience (Neurological Diseases)
[LKCMedicine]
Nanyang Technological University

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Posted Mar. 26, 2024, set to expire Jul. 26, 2024

Job Title	Research Fellow, Neuroscience (Neurological Diseases) [LKCMedicine]
Department	Lee Kong Chian School of Medicine
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Mar. 26, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Molecular
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Novena-Campus-Singapore/Research-Fellow--LKCMedicine-_R00015844-2
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Job Description	

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Lee Kong Chian School of Medicine invites applications for:

Research fellow in the Laboratory of Foo Jia Nee

Lee Kong Chian School of Medicine (LKCMedicine) established in September 2010 is a partnership

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between Imperial College London and Nanyang Technological University, Singapore. The School operates from two campuses – Yunnan Campus at Nanyang Technological University and a new campus to be built at Novena. Our primary healthcare partner is the National Healthcare Group (NHG) which comprises an integrated network of primary healthcare polyclinics, acute care hospitals such as Tan Tock Seng Hospital, and national specialist centres. LKCMedicine delivers a new five-year undergraduate medical programme leading to a joint MBBS degree awarded by Imperial College London and Nanyang Technological University.

Our research focuses on using the latest genetics and genomics technologies to understand neurological diseases, especially Parkinson's disease. We are also interested in the functional follow-up of genetics findings in human pluripotent stem-cell based models. For more information, please visit:

<https://dr.ntu.edu.sg/cris/rp/rp01243>

We are looking to recruit a research fellow with a strong background and interest in human disease genetics and/or neuroscience, with strong inclination for a career in academia or industry. This individual is expected to:

- Lead key projects in the laboratory involving *in vitro* modelling of human neurological diseases using human pluripotent stem cells.
- Perform experiments on cell culture, molecular cloning, gene editing, immunostaining, confocal microscopy etc
- Oversee statistical and bioinformatics analyses of genomics and transcriptomics data
- Work closely with research assistants/associates, students and collaborators to evaluate, troubleshoot and optimize experimental protocols
- Maintain frequent contact and communication with collaborators
- Keep up to date with latest research in the field of genetics and neuroscience
- Participate actively in discussions, writing manuscripts and grant applications.

Our laboratory is based at Clinical Sciences Building in the LKCMedicine Novena campus.

Background and qualifications:

- A PhD degree in Biomedical Sciences (preferably related to the field of genetics, stem cell/developmental biology and/or neuroscience) from an internationally renowned university.
- Prior research experience in molecular biology, cell biology, neuroscience, single-cell genomics/transcriptomics, or statistics and bioinformatics
- Prior experience in CRISPR/Cas9 gene editing, molecular cloning and stem cell research will be an advantage.

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- Some knowledge in coding (perl, C/C++, java, python, R etc) will also be an advantage
- Self-motivated, independent and well-organized, with excellent technical and communication skills
- First-authored publications in reputable biomedical journals will be a major advantage.

Application Procedure:

If you are interested to pursue a career with the School, please apply to Dr Foo Jia Nee, (email address: jianee.foo@ntu.edu.sg) with your cover letter, CV and names of three referees at your earliest convenience. Only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Foo Jia Nee
Lee Kong Chian School of Medicine
Nanyang Technological University
Singapore
Singapore

Contact E-mail jianee.foo@ntu.edu.sg