

Research Assistant (Statistical Physics)
Nanyang Technological University

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Posted Apr. 3, 2024, set to expire Apr. 1, 2025

Job Title	Research Assistant (Statistical Physics)
Department	School of Physical and Mathematical Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Engineering - Other Engineering Physics
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Assistant--Statistical-Physics-_R00016678

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Job Description

Division of Physics and Applied Physics (PAP) in School of Physical and Mathematical Sciences (SPMS) is looking for a candidate to join them as a Research Assistant.

The College of Science seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

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Key Responsibilities:

- Develop machine learning approaches to predict intercalation and fracture in epithelial cell tissue
- Generation of synthetic data via an in-house code
- Analysis of synthetic and experimental data
- Investigation of the convergence dynamics of machine learning algorithm
- Investigation of the influence of noise in the input data
- Collaborate with computational and experimental colleagues to interpret the results

Job Requirements:

- Bachelor Degree in Physics or Engineering
- Experience with numerical packages, C++ and Python
- Basic knowledge of deep neural network
- Able to work in interdisciplinary research environment
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Able to conduct research autonomously

We regret to inform that 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

School of Physical and Mathematical Sciences
Nanyang Technological University
Singapore