

**Research Assistant (Statistical Physics)  
Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=234074>

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

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

**Apply By Email**

**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