

**Research Fellow (Mechanical Engineering/Physics)
Nanyang Technological University**

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Posted Apr. 12, 2024, set to expire Apr. 1, 2025

Job Title	Research Fellow (Mechanical Engineering/Physics)
Department	Singapore Centre for 3D Printing (SC3DP)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 12, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Mechanical Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mechanical-Engineering-Physics-_R00016746-1
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mechanical-Engineering-Physics-_R00016746-1
Apply By Email	
Job Description	

We are looking for a motivated research fellow to work on functional and geometrical optimisation of heart valve implants using a combination of experimental investigation, numerical simulation, and 3D printing. We are interested in hiring a candidate with expertise in experimental fluid mechanics and experience in using numerical simulation software. Knowledge of 3D printing technologies will be highly valuable in this project.

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Key Responsibilities:

- Designing experimental setups, conducting experiments, and analysing experimental results.
- Setting up numerical simulations and conducting numerical studies.
- Assisting the PI with paper and proposal preparation beside conducting research work.
- Providing guidance to junior staffs in the group to carry out research works.

Job Requirements:

- Having PhD in Mechanical Engineering, Physics, or similar degrees.
- Experienced in design and conducting experiment in fluid mechanics.
- Experienced using MATLAB, Python, and simulation software.
- Having some experience in using 3D printers and design software.

We regret that only shortlisted candidates will be notified.

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Contact Information

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

Contact

Singapore