

Research Assistant (Bioassays) Nanyang Technological University

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Posted Oct. 30, 2024, set to expire May 6, 2025

Job Title	Research Assistant (Bioassays)
Department	Nanyang Environment and Water Research Institute
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Oct. 30, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Chemistry - Biochemistry Chemistry - General Biology - Biochemistry Biology - General Sciences - General
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Assistant--Bioassays-R00018902

Apply By Email

Job Description

Globally ranked among top research and technology organizations in the environment and water domain, the NTU's Nanyang Environment and Water Research Institute (NEWRI) ecosystem interacts across a multi- and inter- disciplinary platform of Research-Engineering-Deployment (R.E.D) activities in its approach to developing innovative solutions.

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A Research Assistant position is currently available in NEWRI to participate in an academic research project on tire wear particles.

Key Responsibilities:

- Support research work on water sample analysis using various bioassays and perform routine laboratory techniques – (buffer preparation, water sample processing, reagent preparation, reporter assays, nucleic acid analyses etc.)
- Conduct mammalian assays and zebrafish embryonic assays
- Clearly document the experimental work performed and sample information
- Assist in reporting data for the work done
- Support laboratory procurement, inventory, maintenance, and housekeeping
- Assist in daily operational, administrative, and logistics duties related to the research activities.

Job Requirements:

- Bachelor's degree in Biochemistry, Biological Sciences, Molecular Biology, Environmental Biotechnology or other related life science disciplines.
- Minimally 2 years of working experience in a research environment
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Hands-on experience in mammalian cell culture

- Hands-on experience in cell-based assays in microplate formats and with absorbance/fluorescence read-out (eg. Reporter cell assays)
- Knowledge and hands-on experience in conventional molecular assays (eg. nucleic acid extraction and analyses, ELISA, RT-qPCR)
- Knowledge and experience on common analytical instruments (eg. fluorescence microscopes, real-time PCR, multi-mode readers, cell analyzer)
- Experience in zebrafish assays or other in vivo assays is highly preferred
- Experience in library preparation is preferred
- Meticulous, proactive, organized & able to work independently according to plans
- Good communication skills & team player

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

Nanyang Environment and Water Research Institute

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