

**Research Fellow (Microbiology and Assay Development)**  
**Nanyang Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=230276>

Downloaded On: May. 8, 2024 7:26pm

Posted Feb. 7, 2024, set to expire Jun. 8, 2024

<b>Job Title</b>	Research Fellow (Microbiology and Assay Development)
<b>Department</b>	IDMxS <a href="https://www.idmxs.org/">https://www.idmxs.org/</a>
<b>Institution</b>	Nanyang Technological University Singapore, Singapore, Singapore
<b>Date Posted</b>	Feb. 7, 2024
<b>Application Deadline</b>	Mar. 8, 2024
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Faculty Associate Research Scientist/Associate Research Professor
<b>Academic Field(s)</b>	Bioengineering (all Bio-related fields) Engineering - Other
<b>Job Website</b>	<a href="https://www.ntu.edu.sg/about-us/build-a-career-at-ntu">https://www.ntu.edu.sg/about-us/build-a-career-at-ntu</a>
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Microbiology-and-Assay-Development-_R00016112?q=assay%20development">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Microbiology-and-Assay-Development-_R00016112?q=assay%20development</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Institute For Digital Molecular Analytics & Science (IDMxS) is a unique interdisciplinary Research

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Centre of Excellence (RCE), funded by National Research Foundation, Ministry of Education (Singapore), Nanyang Technological University and National University of Singapore. Hosted by NTU, IDMxS is focused on development of core science to drive a paradigm shift in molecular detection and analysis to link the biomolecular world of life with the networked world of technology.

IDMxS is looking for a highly experienced and motivated individual to join us as a Research Fellow on further develop translational potential of IDMxS technologies within the institute.

### Key Responsibilities:

- Drive assay development for digital detection technologies, proof-of-concept and participate in prototype design and testing
- Provide industry insights in assay development roadmap
- Execute biochemistry/molecular biology experiments and perform data analysis
- Ensure effective and efficient communications among group members
- Performs market and competitive analysis when needed for assessment of commercialization potential
- Ensure accurate and systematic documentation of laboratory work
- Draft scientific publications, present research findings internally and externally
- Comply with all laboratory safety standards and guidelines
- Assist in lab management matters when necessary
- Guide junior members of the team

### Job Requirements:

- Masters/PhD in life science, biotechnology, microbiology, or other related disciplines
- Minimum 6 years of industry experience (for Masters holders)
- Experience as technical lead in product development is highly preferable
- Additional experience in product commercialization process is highly preferable
- Experienced in digital PCR / quantitative PCR assay development is desired
- Familiar with lab operation, lab safety and management matters
- Strong communication skills and ability to write research reports, publish and critically review publications
- Experience with one or more of the following analytical technologies, including fluorescence microscopy, spectroscopy, cell assays, molecular biology techniques, bacterial culture, etc

We regret that only shortlisted candidates will be notified.

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### **EEO/AA Policy**

IDMxS is a new, unique interdisciplinary Research Centre of Excellence (RCE), funded by Ministry of Education (Singapore), Nanyang Technological University and National University of Singapore. Hosted by NTU in partnership with NUS, IDMxS is the world's first organized effort focused on interfacing the biological and living world with the world of information technology and data science whilst providing fundamental scientific development, grounded in materials science, optics, and interfacial chemistry.

### **Contact Information**

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

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