Research Fellow (Environmental Science and Health)
Nanyang Technological University

Job Title	Research Fellow (Environmental Science and Health)
Department	Centre for Climate Change and Environmental Health
Institution	Nanyang Technological University
	Singapore, , Singapore
Date Posted	Oct. 8, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Public Health/Biostatistics/Epidemiology
	Environmental/Occupational Health
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Environmental-Science-and-Health-_R00022116
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Job Description

In this rapidly changing world, the Centre for Climate Change and Environmental Health (CCEH) is pioneering the fight against climate-driven health challenges. We unite with world-class experts from diverse fields to uncover how climate change shapes human health. Focused on Southeast Asia, CCEH is not just about research—it's about creating a healthier, more resilient future for Singapore and the world. We collaborate with NTU's premier institutes to transform insights into actionable,

evidence-based solutions.

Within CCEH, the Environmental Health team, led by Prof. Steve Yim, investigates the complex interactions between climate, air quality, and environmental health. The group develops, advances, and applies state-of-the-art multi-scale atmospheric models, along with cutting-edge measurement and statistical approaches, to unravel the mechanisms driving climate–air quality interactions and to assess their impacts on human health and ecosystems.

Key research areas include examining the air quality impacts of sectoral emissions and transboundary air pollution across multiple spatial scales, exploring regional climate change driven by land-use transitions and global climate change, and quantifying the health effects of air pollution on respiratory and cardiovascular diseases. The group also evaluates emission control and mitigation scenarios to provide science-based policy recommendations for a sustainable environment and healthier populations in the present and future.

Key Responsibilities:

The position is required to improve understanding of pollutant sensitivity to emission sources, climate-driven changes in pollutant dynamics, and associated health impacts by developing and applying deep-learning approaches to enhance air quality predictions and long-term projections under diverse climate and emission scenarios. The position has to document the results of the four tasks in reports and publish papers in peer-review international journals.

Job Requirements:

- Have a Ph.D. degree in atmospheric science/ geography/meteorology/environment, or equivalent field.

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Have experience in the development of deep-learning models and climate models.

- Evidence of excellent written and communication skills, and evidence of independence in research direction and team spirit.

- A candidate with recent publications in relevant areas within the past 5 years is advantageous.

CCEH 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. Interested applicants should submit a CV and a statement of interest. Evaluation of application starts immediately until the position is filled.

We regret to inform that only shortlisted candidates would be notified.

Contact Information

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

Contact

Singapore