Assistant Professor

Saw Swee Hock School of Public Health and Institute of Data Science, National University of Singapore

The National University of Singapore (NUS) is recruiting one full-time staff to be jointly appointed in the Saw Swee Hock School of Public Health (SSHSPH) and Institute of Data Science (IDS). The position is on a tenure track appointment. In addition to an attractive salary and benefits package, new faculty members may be eligible for a start-up grant to initiate their independent stream of research. They will also have the opportunity to advise PhD students from both IDS and SSHSPH programmes. Candidates relocating to Singapore may be eligible for subsidised university accommodation.

We seek candidates who are passionate about taking a transdisciplinary approach to advance AI research to address challenges in healthcare. Researchers active in one or more of the following areas are particularly encouraged to apply:

- Development and optimisation of machine learning methods and data analysis in healthcare to improve quality of care and population health management solutions.
- Promoting the systemic uptake of research findings to advance positive outcomes in clinical, organisational or policy contexts.

Candidates should demonstrate excellent research potential, and a strong commitment to teaching. Experience in AI research involving representation learning, causality in machine learning, and continual learning is preferred. Candidates should be keen to engage with industrial collaborators, policy-makers and scholarly communities in Asia and around the world, producing and communicating work that has an impact on the important issues related to AI in healthcare.

Requirements
a) Recognized Doctoral degree in a relevant discipline (Computer Science, Engineering, Mathematics) with strong post-doctoral research records;
b) Track record of publishing in high-impact international peer-reviewed journals;
c) Experienced in leading independent research studies or a component within larger research programs;
d) Ability to generate and maintain an independent stream of research funding;
e) Ability to teach public health courses at both undergraduate and graduate levels;
f) Ability to work in multidisciplinary teams;
g) Ability to work with culturally diverse populations.

Interested candidates are encouraged to find out more at https://www.sph.nus.edu.sg and https://ids.nus.edu.sg/.

Application Procedure

Applicants should send a single .zip file to ids@nus.edu.sg containing the following documents as clearly labelled individual PDF files:

- A short cover letter mentioning your research interests.
- Curriculum Vitae, including a full publication list
- Research statement
- Teaching statement
- Contact information of at least 3 referees that may be contacted if shortlisted

About SSHSPH and IDS

The National University of Singapore is an innovative, research- intensive university with over 36,000 students from 100 countries and is consistently ranked among the world's top 30 universities and Asia's top 2 universities. The Saw Swee Hock School of Public Health (SSHSPH) builds upon over 60 years of experience in research, teaching and actively collaborates with many partners including the London School of Hygiene and Tropical Medicine, Karolinska Institutet, Harvard T.H. Chan School of Public Health and University of Michigan School of Public Health.

The Institute for Data Science (IDS) is a highly interdisciplinary institute spanning multiple faculties and departments throughout NUS, and offers a unique interdisciplinary PhD program. The Institute's mission is to leverage and strengthen data science expertise for transdisciplinary and translational research into important real-life problems and education of the next generation of data scientists. The Institute has initiated or established partnerships to solve challenging data-driven problems that are relevant to the government and industry, and this includes GrabTaxi, Ez-link, SingHealth, ST Engineering, Surbana Jurong, Land Transport Authority, Defence Science and Technology Agency (DSTA) and Defence Science Organisation (DSO).