



Imperial-TUM-NTU Global Fellows Programme 8-12 July 2024

‘Data-driven innovations for zero pollution mobility’

Imperial College London will host the 4th **trilateral Global Fellows Programme** in partnership with the **Technical University of Munich (TUM)** and **Nanyang Technological University (NTU Singapore)**. The in-person programme will be from the 8th to the 12th July 2024 and a 2-hour online Welcome Event will be held on 25th June 2024. This programme will take place in London, hosted by Imperial College London.

In the current scientific environment **international and interdisciplinary collaborations and networking** are fundamental to developing successful projects. In a competitive research environment funding bodies increasingly look for interdisciplinary, collaborative research with partners from around the world. The modern researcher requires both excellence in research and strong professional collaborative competencies.

Over the course of one week approximately 40 doctoral researchers from NTU, TUM and Imperial will develop collaborative interdisciplinary competencies and intercultural awareness required to establish and continue successful collaborations.

During this 5-day programme, participants will work in interdisciplinary and intercultural groups, assisted by a coach from one of the partner universities. During the programme, participants will enhance:

- Their competencies to work collaboratively on research ideas
- Their competencies to network and communicate effectively and with impact in interdisciplinary and intercultural groups
- Their intercultural and international competency and awareness
- Their creativity to develop collaborative research ideas
- Their appreciation of research in international institutions

Participants will also engage in intercultural and interdisciplinary discussions under the programme theme “**Data-driven innovations for zero pollution mobility**” and will develop creative innovations to address global challenges under the programme theme.

Tackling transport pollution is a complex challenge that goes beyond tackling exhaust emissions. Mobility involves all aspects related to the movement of people, goods and services, contributing to

the planning, design, operations and management of infrastructures, for the promotion of the health and wellbeing of the planet and its inhabitants.

Innovations range from radical new technologies to innovative methods of infrastructure operations and management, to novel insights into behaviour change and societal engagement techniques and improved methods for the assessment of impacts. External partnership across the research, business, government, media and quasi-governmental sectors, and public engagement is crucial. It is also critical, at the innovation stage, to examine stakeholders' abilities to adopt and deploy data-driven zero-pollution mobility solutions.

Guest speakers from Imperial, NTU and TUM will provide participants with insights into current research (but not limited to) within the topics of the programme, to inspire the development of creative solutions. The programme will also provide opportunities for groups to consider the social and ethical aspects of any proposed solutions.

A background on the subject is not essential, doctoral candidates from **any discipline** are invited to apply for this 5-day professional development course.

This is a chance to challenge yourself outside of your normal working environment, meet people from other disciplines and cultures, and have fun!

Student Experiences:

- 'I was able to learn and gain new perspectives from other disciplines to influence my own research'
- 'Learnt a lot about my group members and provided self reflection'
- 'Provided some really interesting insights into the differences between research institutions. Opportunities for networking and collaboration were also great'