

Technicians' Network Event 2020

Update from the Provost

Ian Walmsley, Provost

Professional Registrants

Chartered Scientists & Engineers:

Shajna Begum (CSci), Infectious Disease

Mohamed Bellahcene (CSci), National Heart & Lung Institute

Adam Davis (CSci), Chemistry

Franco Giammaria (CSci), Aeronautics

Gareth Hyde (CSci), National Heart & Lung Institute

Xiaoe Li (CSci), Chemistry

Asanka Munasinghe (CEng), Mechanical Engineering

Hassan Shahbakhti (CSci), National Heart & Lung Institute

Pabitra Shakya Tuladhar (CSci), Chemistry

Sharron Stubbs (CSci), Infectious Disease

Professional Registrants

Registered Scientists:

Dennis Affram (RSci), Surgery & Cancer

Morolayo Ayorinde (RSci), Infectious Disease

Lukasz Bukowski (RSci), Life Sciences

Zoe Frazer (RSci), Surgery & Cancer

Izabela Glegola (RSci), Life Sciences

Justyna Glegola (RSci), Central Biomedical Services

Nikita Harvey (RSci), Metabolism, Digestion and Reproduction

Javaid Iqbal (RSci), Life Sciences

Stefanos Karapanagiotidis (Rsci), Chemistry

George Lacey (RSci), Surgery & Cancer

Professional Registrants

Registered Scientists:

Oswald Marongwe (RSci), Chemistry

Louise Marston (RSci), Life Sciences

Alisha McPherson (Rsci), Infectious Disease

Madiha Anwar Muhammad (RSci), Surgery & Cancer

Rebecca Parkin (RSci), National Heart & Lung Institute

Paul Rogers (RSci), Infectious Disease

Amelia Rushton (RSci), Surgery & Cancer

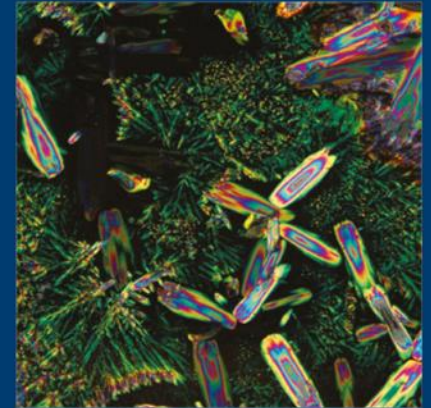
Claire Streatfield (RSci), Infectious Disease

Bethany Wallis (RSci), Bioengineering

Professional Registrants

Registered Science and Engineering Technicians:


Andrew Macey (EngTech), Chemical Engineering
Dammy Shittu (RSciTech), Life Sciences



ACADEMIC STRATEGY

2020–2025

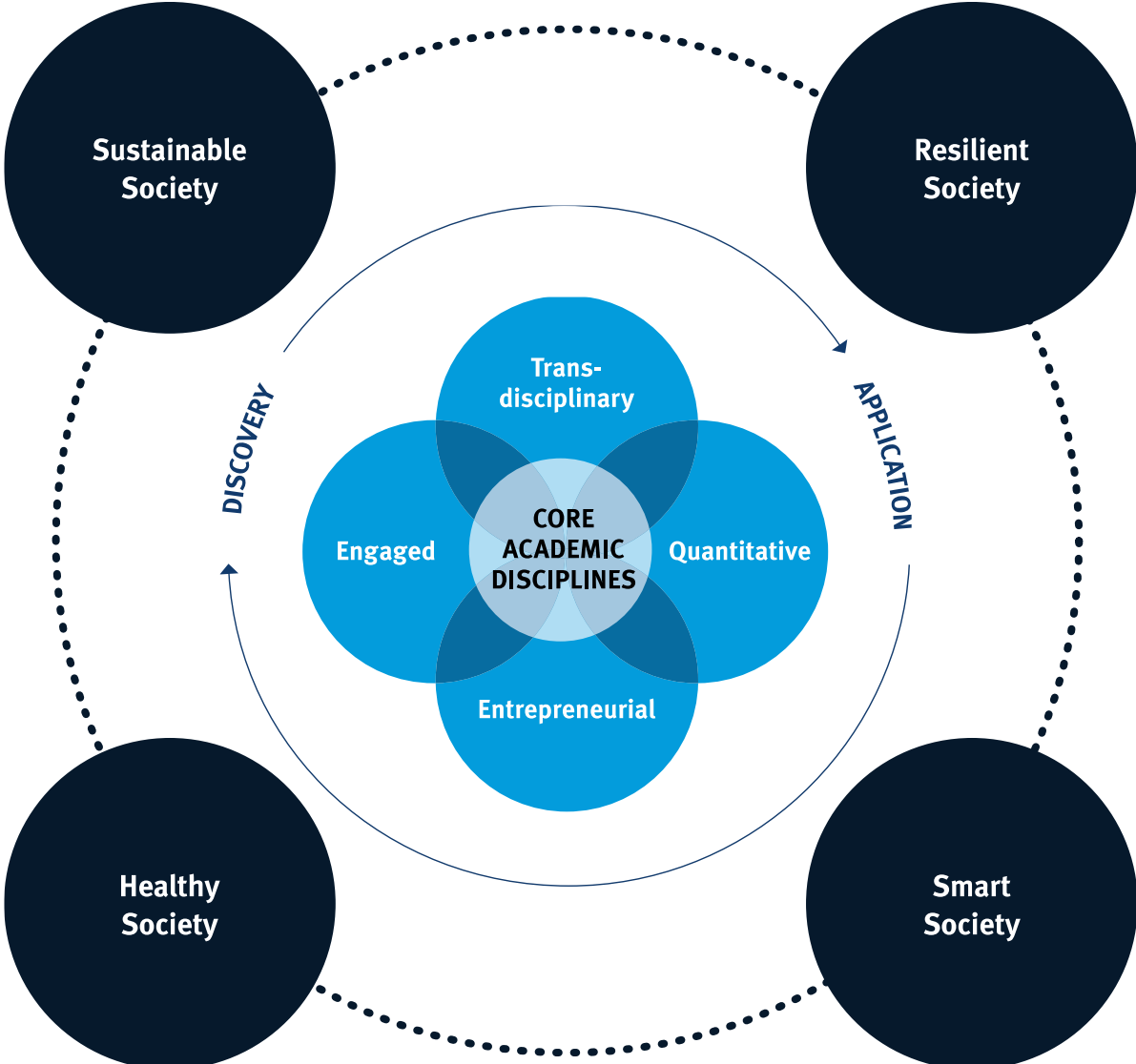
Vision for the Academic Strategy

- Ambitious and cohesive vision for research, education and innovation across the College.
 - Identify and seize emerging opportunities for new discovery and applications that could have major impact and societal benefit.
 - Enhance the education environment to prepare our students to be leaders, innovate and drive change.
 - Raise Imperial's profile as a world-leading research-intensive university, attracting the best students and staff.
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Imperial College
London



OUR THEMES AND CAPABILITIES





Imperial College
London

STUDENT EXPERIENCE

Student Experience



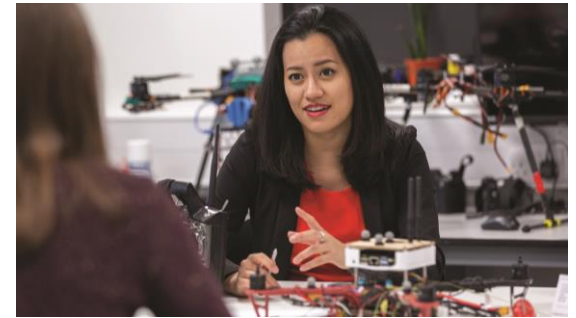
Engaging

We will be welcoming and inclusive to attract a diverse body of excellent students from all around the world.



Learning

Students and staff will work as partners to create a student-centred experience with parity for all.

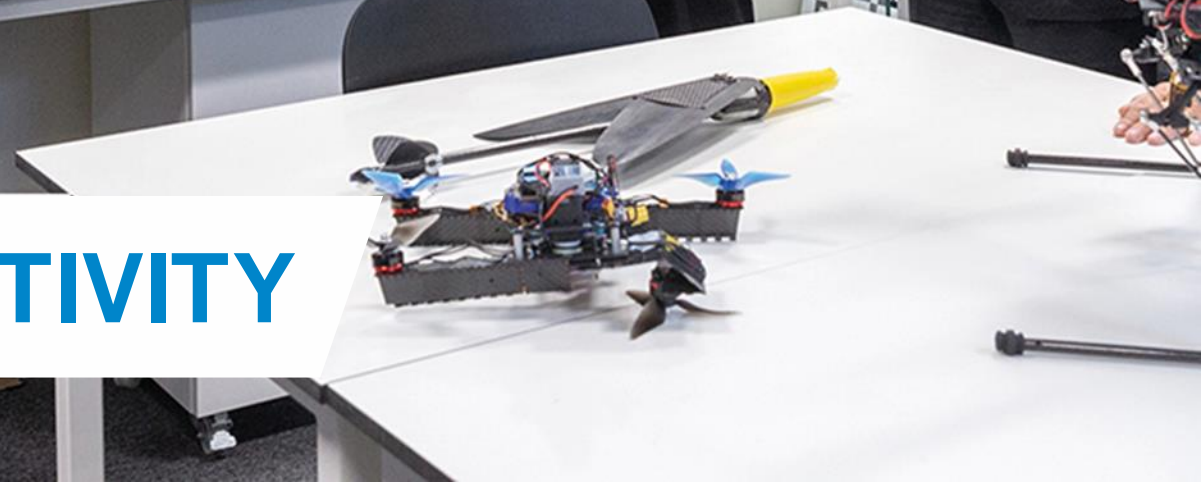


Succeeding

We will nurture a lifelong exchange of ideas and support across a global alumni network.


Invest and support in holistic approach to student experience:

curricular, extra-curricular, wellbeing, community, provision of services and support



CURRENT ACTIVITY

Implementing Our Strategy

- The strategy will help us identify new opportunities for College-level investment in people, time, space and money.
 - We will continue to deliver and invest in core Faculty and Department activities, supporting discipline-based discovery.
 - Opportunities will range in scale, resource and timeframe.
 - We will leverage significant external investment and support to achieve our ambition.
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Towards Zero Pollution


- Launched a transformational cross-disciplinary programme in research, education and innovation that will help society: **‘Transition to Zero Pollution’**.
- We will realise a sustainable zero pollution future by creating and translating holistic socio-technical solutions to environmental change through systems-thinking, discovery science, cross-disciplinary research, technology and innovation.
- The initiative will bring together researchers across Imperial and build partnerships that converge disciplines, from fundamental science and engineering, human health, new business models, and policymaking.

Find out more <https://www.imperial.ac.uk/zero-pollution/>




Combatting COVID-19

Researchers across the College are collaborating to combat the major challenges to the health and resilience of our society presented by COVID-19. These research projects include:

- Modelling the spread and impact of COVID-19
 - Vaccine development
 - Antibody therapy
 - Lab-free testing
 - ISARIC (International Severe Acute Respiratory Infection Consortium)
 - Online training for frontline staff
 - The JamVent ventilator
 - Environmental (air and surface) testing programmes
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Student Experience

Working with departments, academics and professional staff to support and invest in the education and student experience and transition to digital and multi-mode learning:

- Improving our infrastructure – e.g. refurbishing teaching and collaboration space and digital learning facilities
 - Investing in audio-visual equipment and installations
 - Collaboration and coordination of digital learning processes through the Guild
 - Focus on safety and student support
 - Investment in accommodation
 - Close collaboration with Student's Union
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Sustainable
Society

Healthy
Society

Smart
Society

Resilient
Society

Upcoming initiatives

- **Digital Molecular Design and Fabrication:** position the College as a global leader in the areas of molecular synthesis, AI, robotics, automation and big data.
- **Institute of Infection:** enhance Imperial's position as a global leader in infectious diseases research through the creation of a multidisciplinary Institute of Infection.
- **Cross-faculty information technology initiative:** converging digital and information technologies across research, teaching and innovation, working across all faculties and with industry, to build a new model of co-discovery and co-creation.
- **Entrepreneurship:** Establishing an Institute for Deep Tech Entrepreneurship, establishing Imperial as a global leader in entrepreneurial strategies and processes for commercialisation of Deep Tech inventions.