

Welcome to Imperial



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#ImperialCPD

Imperial College London

History: Imperial College of Science and Technology



Prince Albert, husband of Queen Victoria, 1819 - 1861

1851–1890

- Colleges formed
- Building on the Great Exhibition,
- Supported by Prince Albert
- South Kensington to be London Centre for Science & Arts.



Imperial College London

Imperial's beginnings – Imperial Institute, c. 1900

1907: Imperial College founded by merger of:

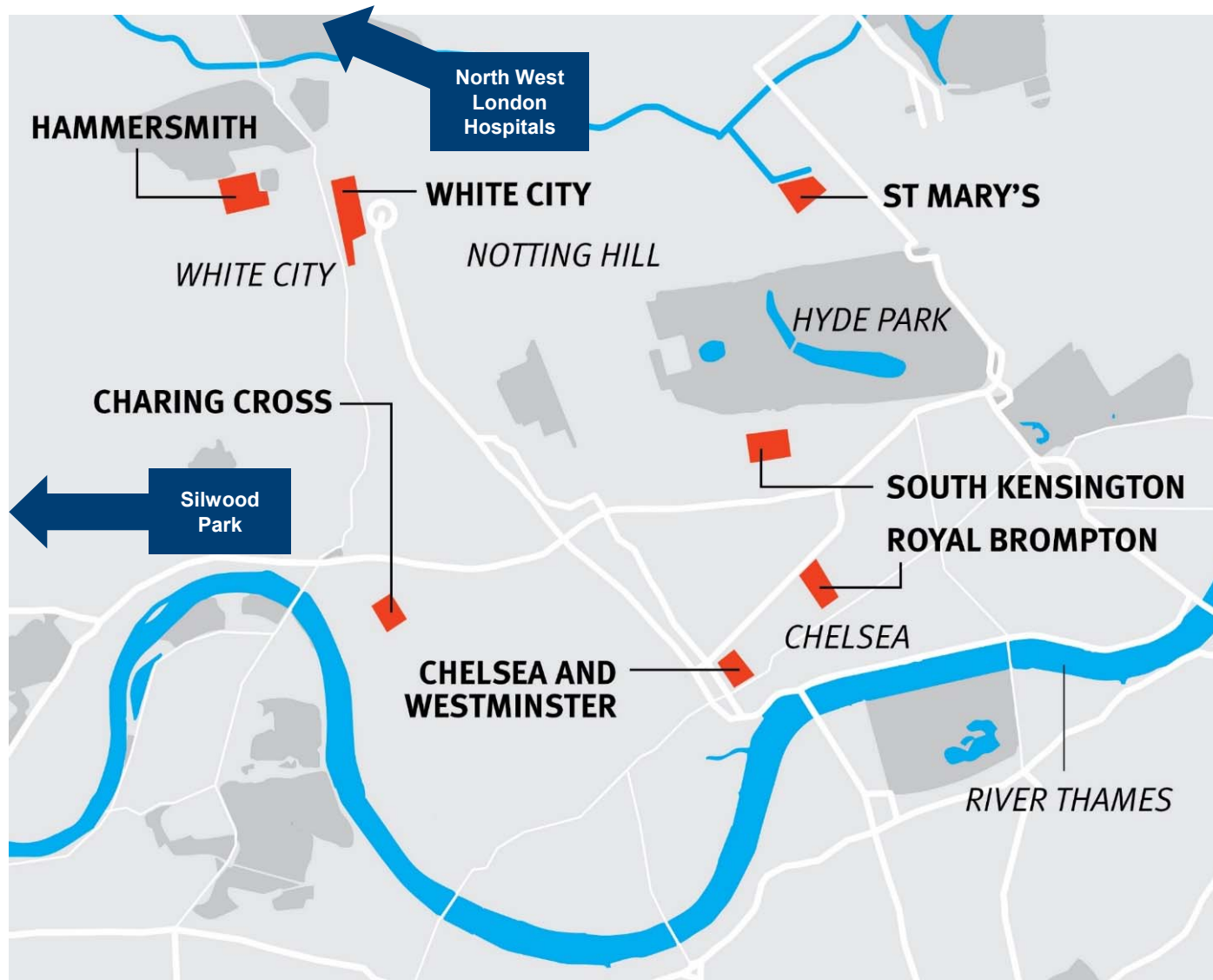
- City and Guilds College
- Royal College of Science
- Royal School of Mines



South Kensington Campus of Imperial College London



Today
Imperial
College
South
Kensington
Campus



9 campuses:

- South Kensington
- White City
- Charing Cross
- Chelsea & Westminster
- Hammersmith
- Royal Brompton
- St Mary's
- North West London Hospitals Campus
- Silwood Park

Imperial College London

New White City Campus – 25 acre site



- £200m Research & Translation Hub
- £40m The Michael Uren Biomedical Engineering Hub.
- World Leading innovation district
- Scientists working alongside spin-out companies.



Research and discovery



Enterprise and innovation



Our local community

Our mission

Imperial College London's mission is to achieve enduring excellence in research and education in science, engineering, medicine and business for the benefit of society.

"A community of problem-solvers dedicated to finding innovative solutions to help create a better society and better planet."

Professor Hugh Brady
President of
Imperial College London





3rd in Europe
6th in World

Imperial at a glance

2023 most international university in the UK!

Focus on 4 main disciplines

Science, Engineering,
Medicine and Business.
(120 UGT and 132 PGT)

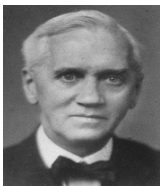
22445 Full-time Students

59% PG and 41% PG
Over 50% international
from 125 countries

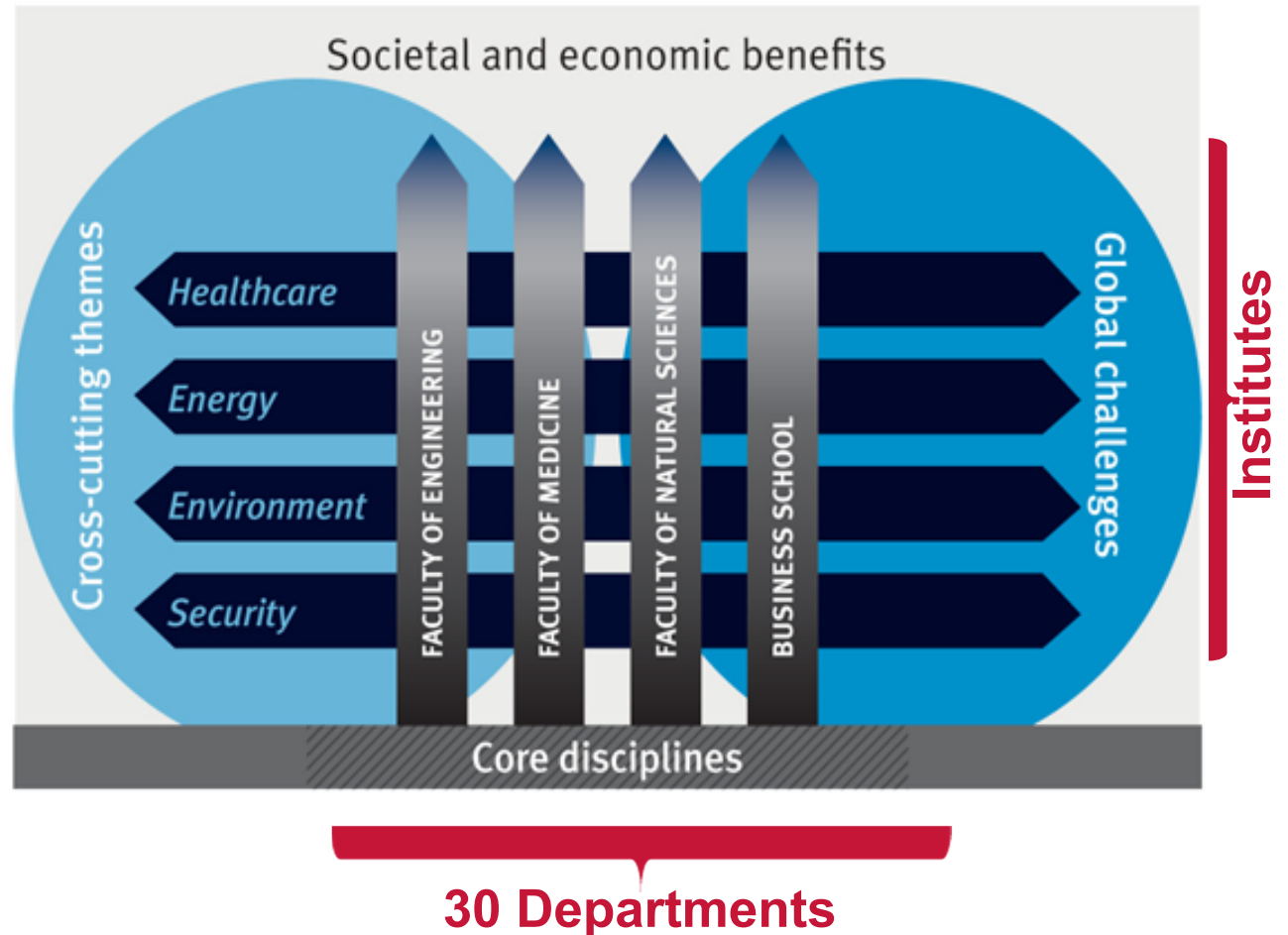
8000 Staff

42% of academic staff international

14 Nobel Prize winners



Sir Alexander Fleming
Medicine 1945 (Penicillin)





Grantham Institute - Climate Change and Environment

Driving research on climate and the environment for real world impact.



Institute of Global Health Innovation

Improving healthcare around the world through evidence-based innovation.



Energy Futures Lab

Tackling the range of energy challenges to develop a sustainable energy supply.



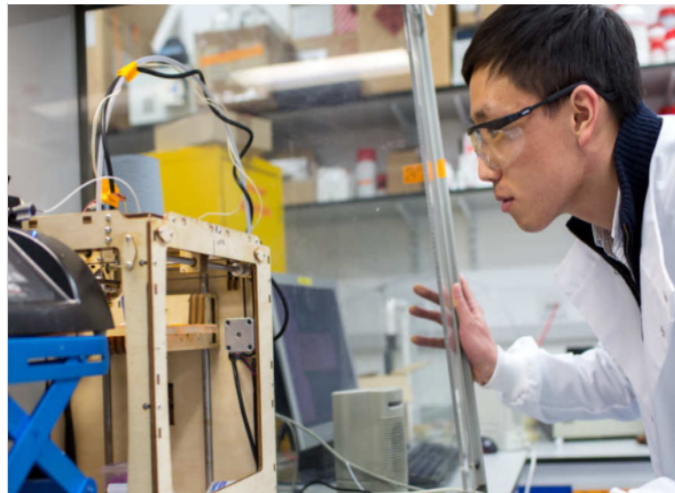
Institute for Security Science and Technology

Improving cyber security for people, businesses and nations.



Data Science Institute

Managing, interpreting and capitalising on big data.



Institute for Molecular Science and Engineering

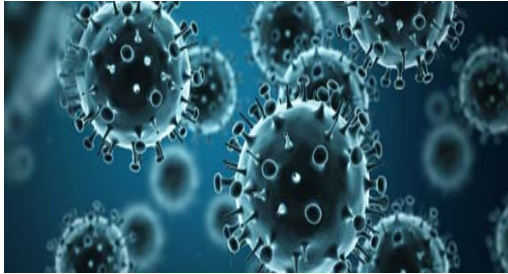
Engineering solutions at the molecular scale to help society and industry.



Institute of Infection

Facing the challenges of global infectious disease together.

Imperial's response to COVID-19



Epidemiologists
informing policy
makers worldwide.



Mechanical engineers
(Dr Joseph Sheerwood)
developed low cost
emergency ventilator.



Virologists (Prof. Robin
Shattock) are trialing their self-
amplifying RNA COVID-19
vaccine which can adapt to
new variants. Using genetic
code to train the immune
system to respond to the virus
so the body can easily
recognise it as a threat in
future.



Biomedical engineers
(Prof. Chris Toumazou)
developed rapid result
COVID-19 test.



More than one thousand members of staff and hundreds of
students volunteered to support the NHS. We have converted
labs for NHS COVID-19 testing.

Imperial named university of the Year 2022

Developing a world-class hybrid education experience through investment in learning and teaching.

Examples include:

- Lab in a box
- Virtual field trips
- Brought medical exams forward and online.

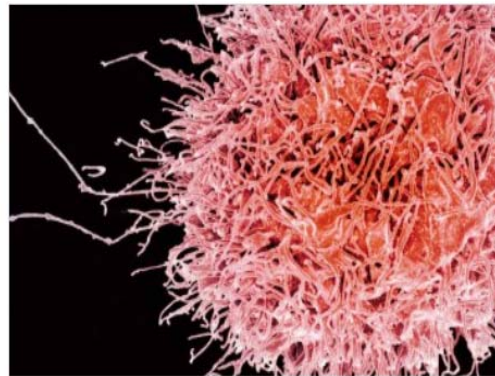
Played a critical role in the life of the nation during the pandemic.



- Largest in Europe
- THE World Ranking– 3rd (UK) & 4th (world) in clinical & health for 2022
- 3462 students , 438 academic staff ,1068 research staff
- Comprises eight world-class departments spread over seven West London campuses.



Brain Sciences



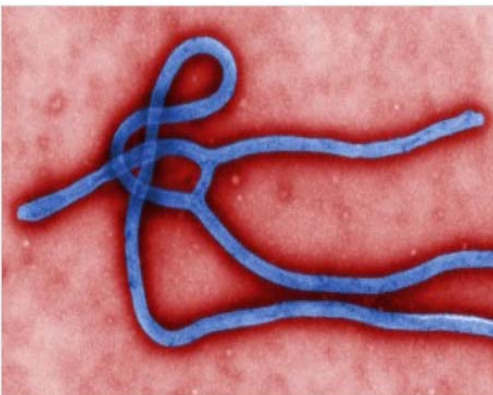
Immunology and Inflammation



Metabolism, Digestion and Reproduction



National Heart and Lung Institute



Infectious Disease



Institute of Clinical Sciences



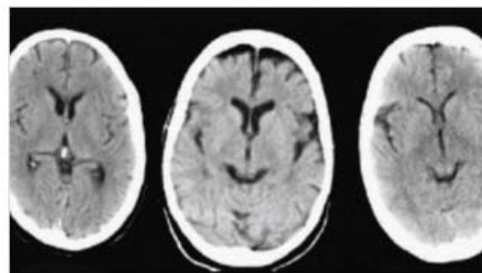
School of Public Health



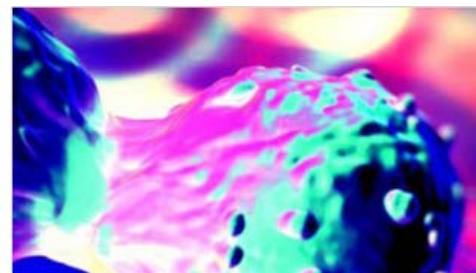
Surgery and Cancer

Global leaders in biomedical research that impacts on the health and wealth of societies worldwide.

Receive research funding in excess of £170M per year.



Brain sciences



Cancer



Cardiovascular



Chronic disease epidemiology



Clinical trials and evaluation



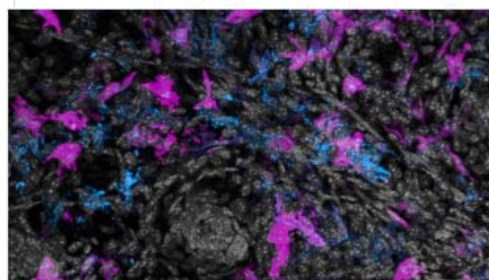
**Computational and systems
medicine**



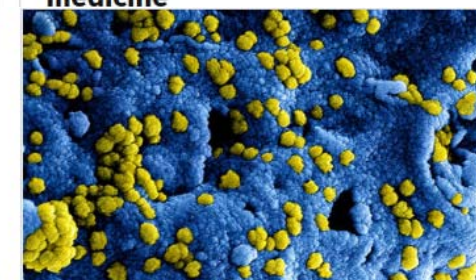
Respiratory



**Diabetes, endocrinology and
metabolism**



**Infection, immunology and
inflammation**



Infectious disease epidemiology



Surgery and surgical technology

Imperial College Healthcare NHS Trust Hospitals



Charing Cross Hospital

A general acute hospital that provides a full range of adult clinical specialties. Kennedy Institute of Rheumatology and the West London Neuroscience Centre. Maggie's Cancer Centre.



Hammersmith Hospital

Famous for its research achievements and home to the West London Renal and Transplant Centre, two large cancer treatment centres and a specialist cardiac service.



Queen Charlotte's and Chelsea Hospital

World-renowned for its maternity, women's and neonatal services.



St Mary's Hospital

A general acute hospital that diagnoses and treats a range of adult and paediatric conditions. The hospital is one of four major trauma centres (MTCs) in London. Pioneered the use of robotic surgery.



Western Eye Hospital

Dedicated to ophthalmology. It offers the only 24-hour emergency eye care service in west London.

Imperial College Academic Health Science Centre

Established since 2007, a partnership between Imperial College London, Imperial College Healthcare NHS Trust, Royal Brompton & Harefield NHS Foundation Trust and The Royal Marsden NHS Foundation Trust.

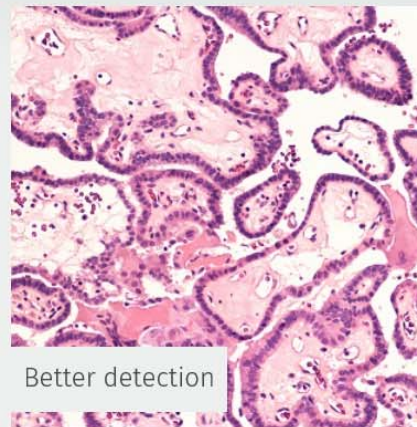
A university-NHS partnership to enhance the translation of research discoveries into improvements in human health.



Disease in focus



Prevention



Better detection



Treatment

Imperial is one of the [world's most international universities](#). Imperial's global collaborations, discoveries and networks are transforming lives and creating opportunity in the UK and around the world.



Europe



Australasia



Latin America



South East Asia



East Asia



Africa



US & Canada



South Asia

Imperial College London

Over 250 Indian students currently studying at Imperial.
Over 1500 Imperial Indian alumni.

Imperial and India



Leading innovation for social impact

The Gandhi Centre for Inclusive Innovation was established with the mission of helping organisations across the globe to create tangible social impact, especially in the emerging economies.



News

India's Minister of Science visits Imperial to strengthen research links

28 April 2023



News

Imperial launches call for next generation of women scientists from South Asia

04 April 2023



News

Imperial and Indian Institute of Science form research and education partnership



Widening access to education and training in medicine and healthcare.

Special thanks to
Dr Shakti Gupta, Director of AIIMS, Jammu
Lt General (Dr) Sunil Kant, Medical Superintendent for AIIMS, Jammu
Harjeet Singh, Trustee, Berry Trust

We hope you find this talk useful and enjoyable.

