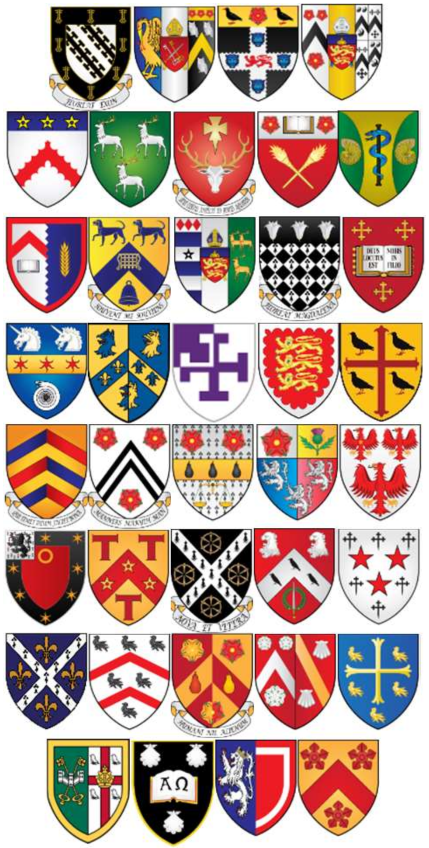
UNIVERSITY OF OXFORD

Research & Innovation

Structure

UNIVERSITY OF OXFORD

Colleges



Libraries and Museums

Oxford University Press

Continuing Education

Central University

Mathematical, Physical and Life Sciences (MPLS)

Chemistry • Computer Science • Earth Sciences • Engineering Science • Materials • Mathematics • Physics • Biology• Statistics

Medical Sciences (MSD)

Biochemistry • Neurosciences Experimental Psychology • Oncology• Paediatrics Pathology • Population • Health Psychiatry • Surgical Sciences…

Social Sciences (SSD)

Archaeology • Saïd Business School • Economics • Education Geography & the Environment • Blavatnik School of Government Area Studies • Law • Politics Sociology…

Humanities (HD)

Art • Classics • English • History • Linguistics • Medieval & Modern Languages • Music • Oriental Studies • Philosophy • Theology & Religion…

Research & Innovation

UNIVERSITY OF OXFORD

Oxford's institutional commitments for research & innovation
1. To promote and enable ambitious research of exceptional quality 2. To invest in people, to support them and their research environment 3. To change the world for the better 4. To create a world-class regional innovation ecosystem

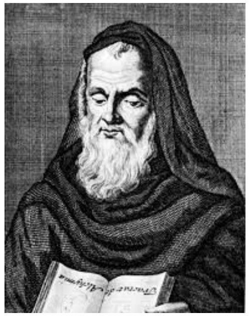
University of Oxford Strategic Plan 2018–2024

Over 800 years of research

UNIVERSITY OF OXFORD

1200 1400 1600 1800 2000

1266



Roger Bacon's *Opus Maius* espouses the importance of experimentation in scientific study

1650s

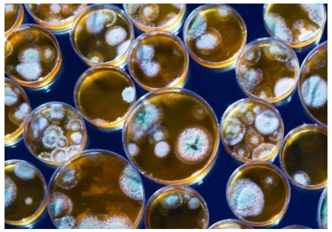
Robert Boyle and Robert Hooke identify living cells through microscopy

1703

Edmond Halley successfully predicts the return of a comet

1941

Howard Florey and others treat first human patients with penicillin



1964

Dorothy Hodgkin, pioneer in X-ray crystallography, wins Nobel Prize for Chemistry

1979

John Goodenough and others discover the Li ion battery

2020

Jenner Institute develops COVID-19 vaccine based on ChAdOx platform

Research and innovation

7,000 academic & research staff and **7,300** postgraduate research students

External research income of **£778m** in 2023/24; £195m higher than any UK university

The **highest volume** of world-leading research in REF 2021

Ranked 1st overall and 1st for research for last 9 years

Permanent overseas research institutes and centres in **10 countries**

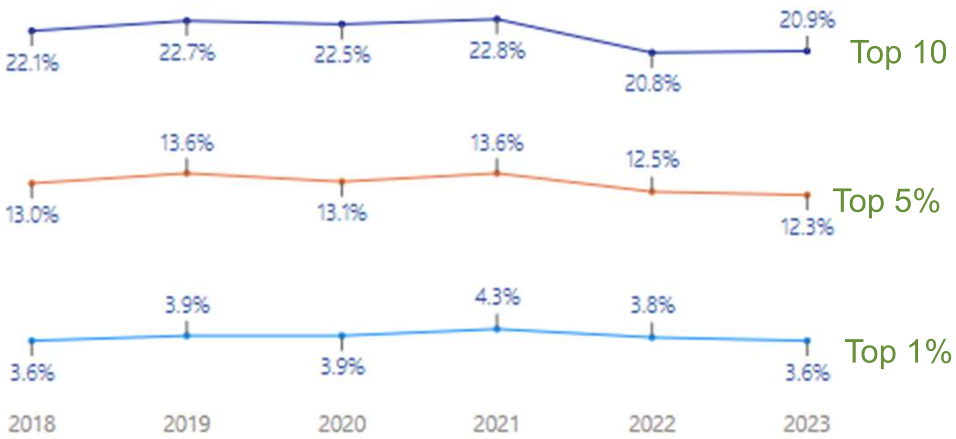
Leading creator of university **spinout companies** in the UK; more than **300** new companies

Oxford research and knowledge exchange activities estimated to have contributed almost **£10bn** to the UK economy in 2021/22

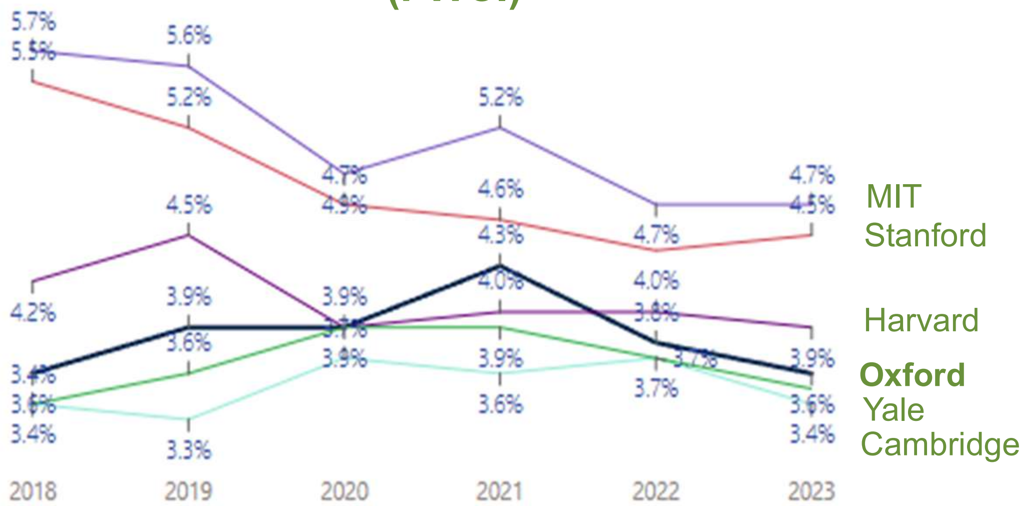
Oxford-AstraZeneca COVID-19 vaccine estimated to have saved more than **7 million lives** around the world

Research ouputs

Oxford outputs in the top citation percentiles (FWCI)



Selected institutions Top 1% citation percentiles (FWCI)



Research services

Pro Vice-Chancellor (Innovation)

Registrar

Pro Vice-Chancellor (Research)

Executive Director

Innovation & Engagement Team

- Regional Engagement & Knowledge Exchange
- IP Rights Management
- Public & Community Engagement with Research
- EnSpire Entrepreneurship Hub

Research Strategy & Policy Unit

- Research evaluation, insight and information
- REF
- Strategy and Policies
- Research integrity and practice
- Researcher Hub

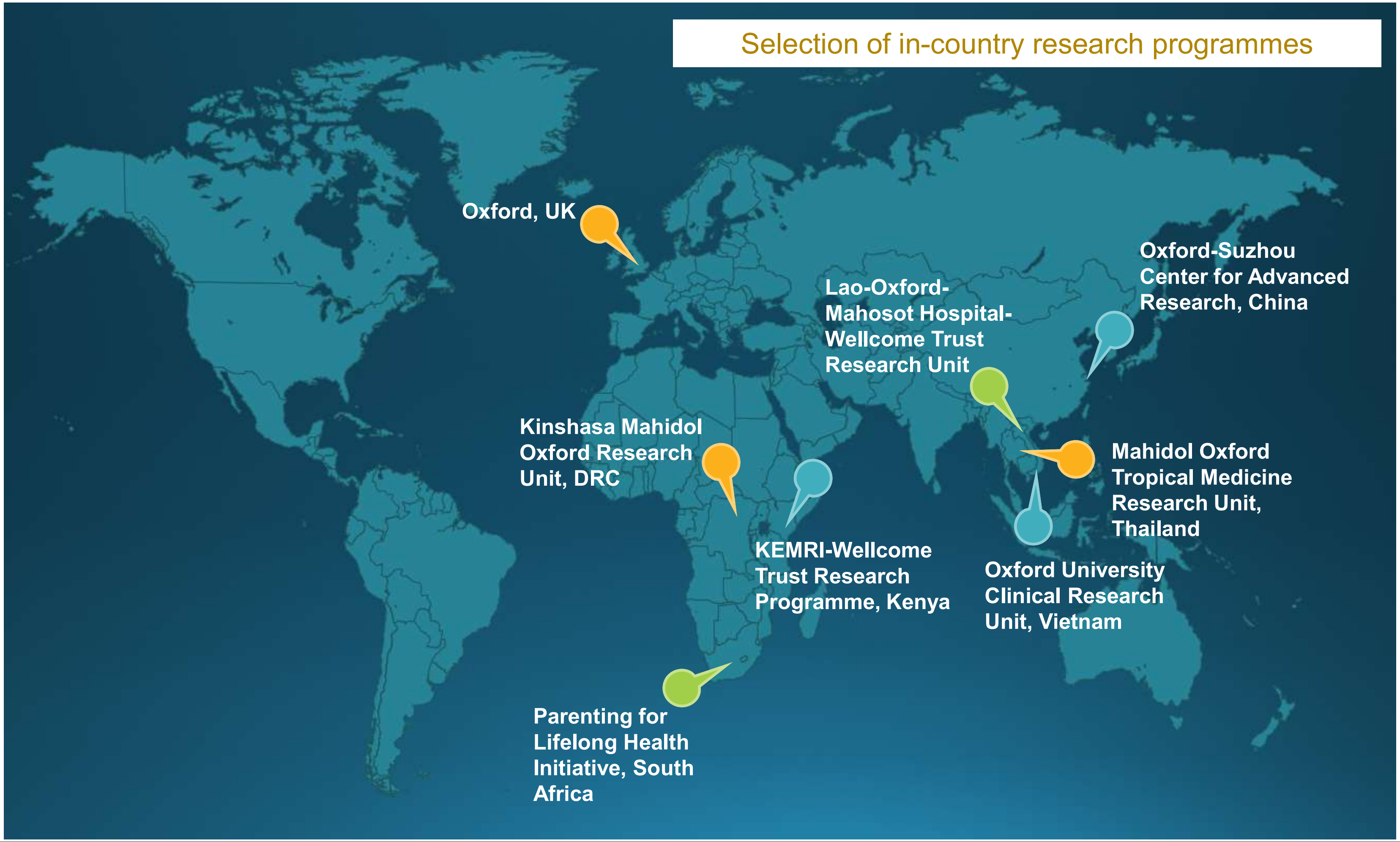
Research Funding & Contracts Team

- Research Funding
- Strategic Research Development
- Research Contracts
- Trusted Research
- Research Management Systems

Research Governance, Ethics & Assurance Team

- Regulatory & QA
- Research Sponsorship & Governance
- Research Ethics
- Human Tissue Governance
- Risk & Insurance

Delivering impact around the world



Investing in world-leading research facilities

Li Ka Shing Centre, 2017

Including Big Data Institute and Target Discovery Institute applying biomedical data to development of treatments for diseases worldwide

Beecroft Building, 2019

State of the art facilities for theoretical and experimental physics, enabling ground breaking research and attracting world-leading talent (e.g. Prof. Shivaji Sondhi, Wykeham Chair, 2021, ex-Princeton)

Life & Mind Building, 2024

A transformational research building for psychological and biological science at Oxford, to house over 1,000 researchers and support staff – the largest building project the University has ever undertaken

Institute of Developmental and Regenerative Medicine, 2022

World-leading facilities to support the development of new drugs and therapeutic strategies to tackle these chronic illnesses

Kavli Institute for Nanoscience Discovery, 2021

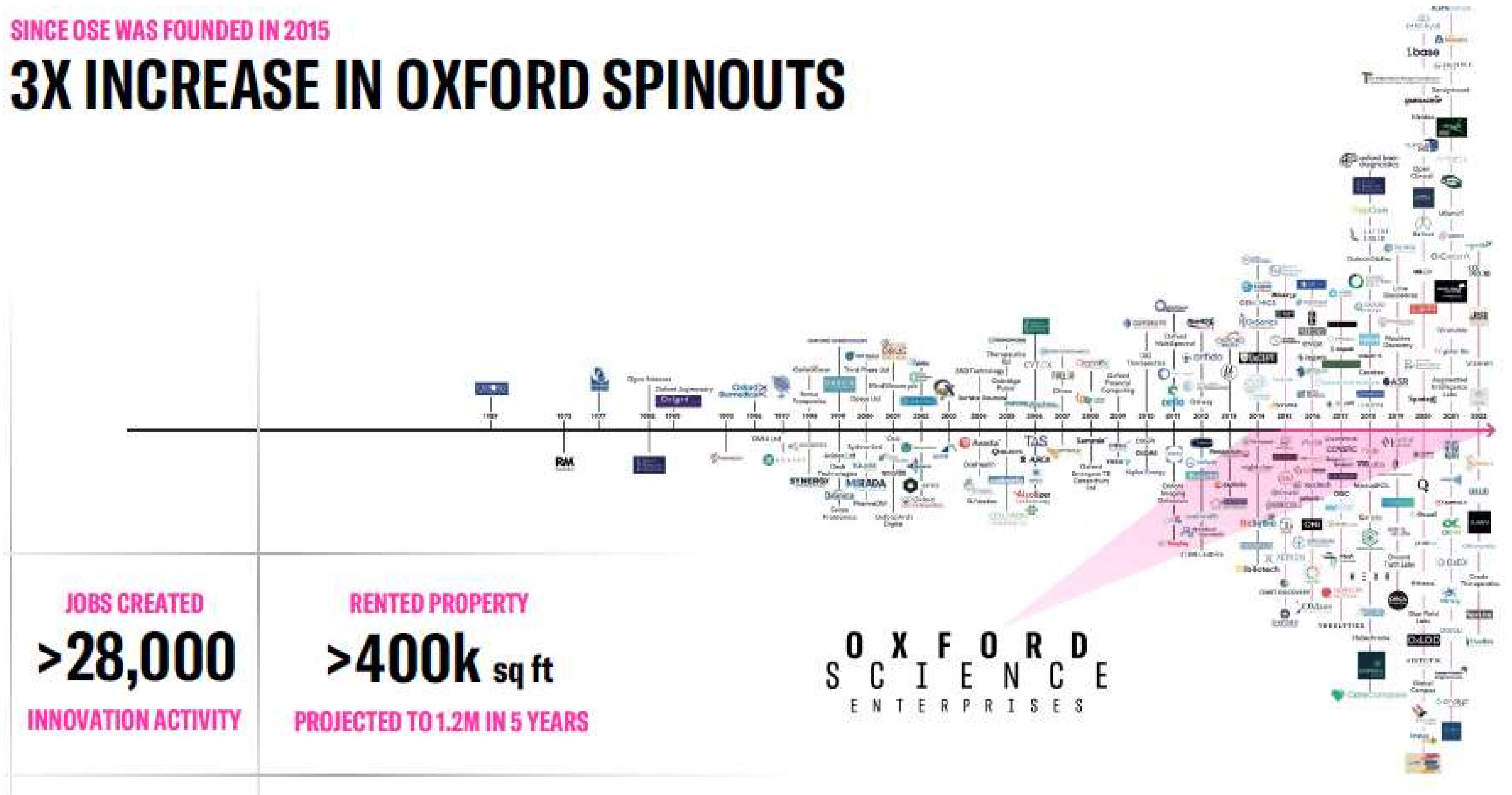
A new centre for interdisciplinary, collaborative research on nanoscience, bringing physical sciences into the cell

Stephen A. Schwarzman Centre for the Humanities, 2025

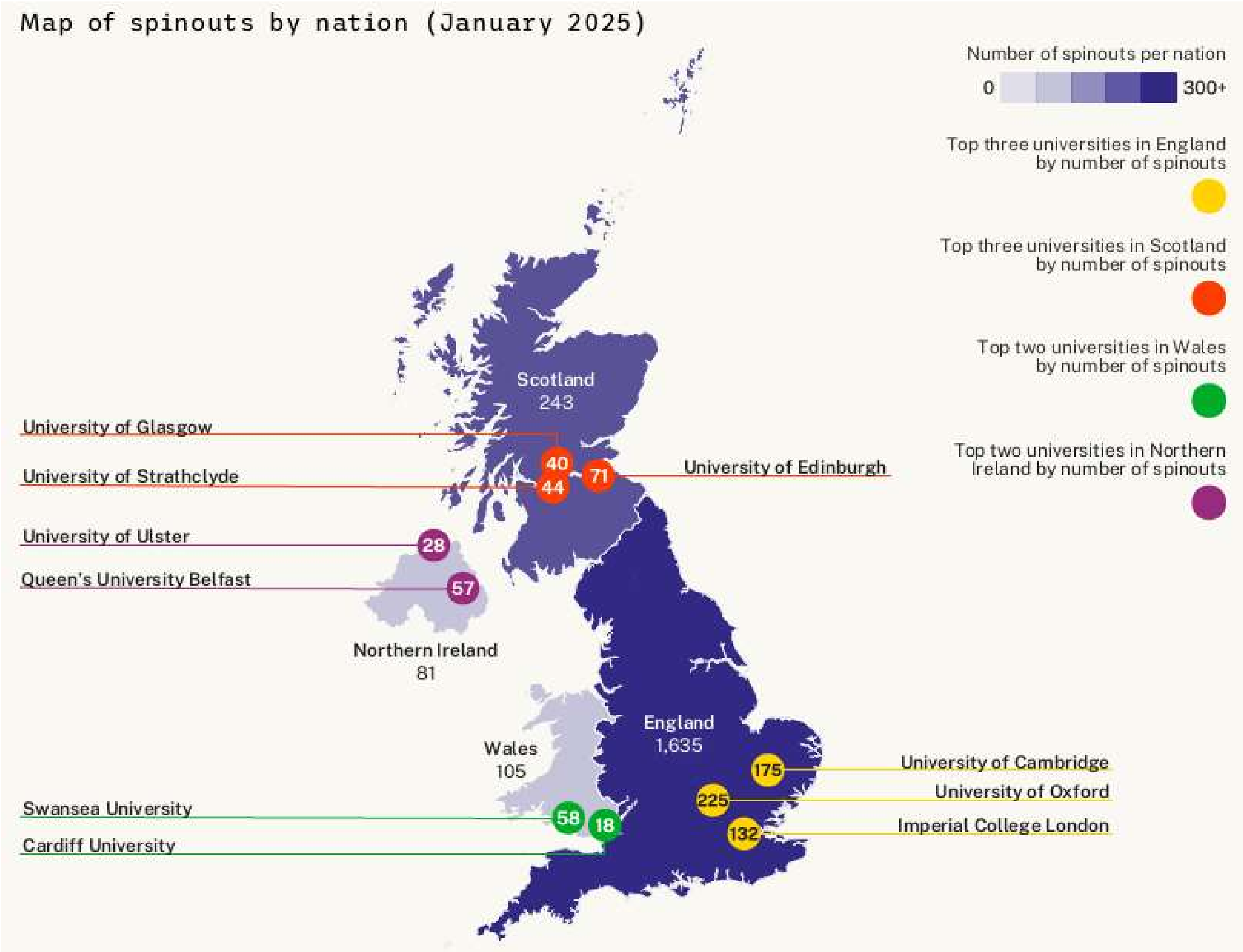
To house Oxford's humanities faculties, a new institute for ethics in AI, and performing arts and exhibition venues

Innovation and commercialisation - OSE

- Oxford spinouts increased from an average of **4-5** companies per year in 2015 to **over 20** per year in 2021
- Catalysed by **Oxford Sciences Enterprise**, $1billion venture fund dedicated to investing in Oxford spin-outs
- Investment in Oxford spinouts increased from an average of **£125m** per year (2011-2015) to **>£600m** per year (2016–2021) and **over £1bn** since



UK competitiveness



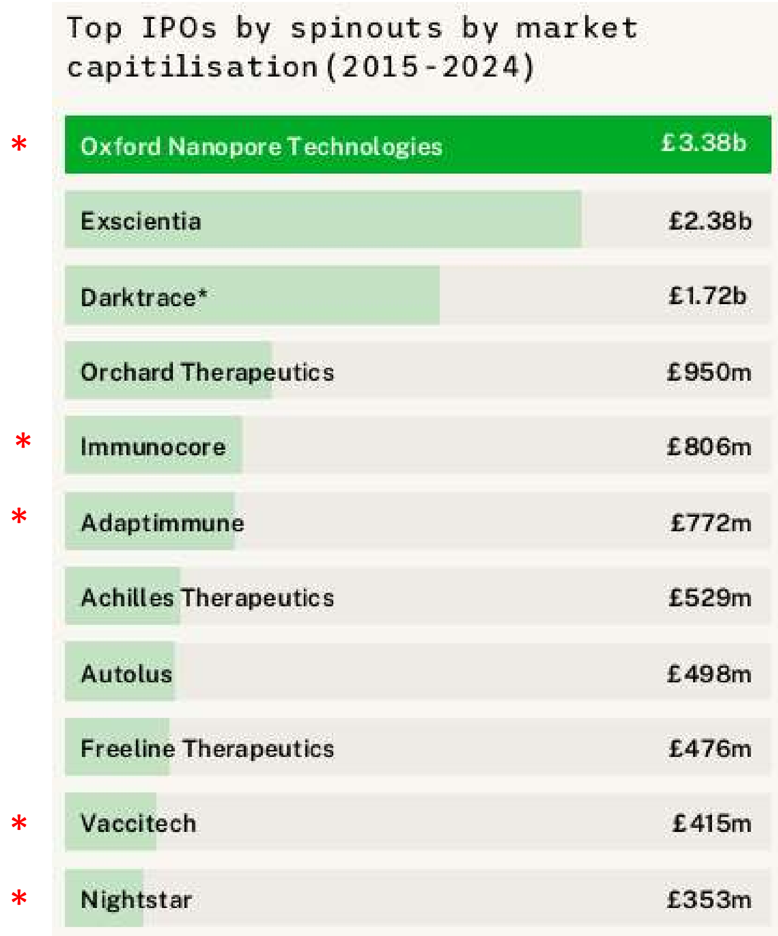
Spotlight on Spinouts 2025, Royal Academy of Engineering

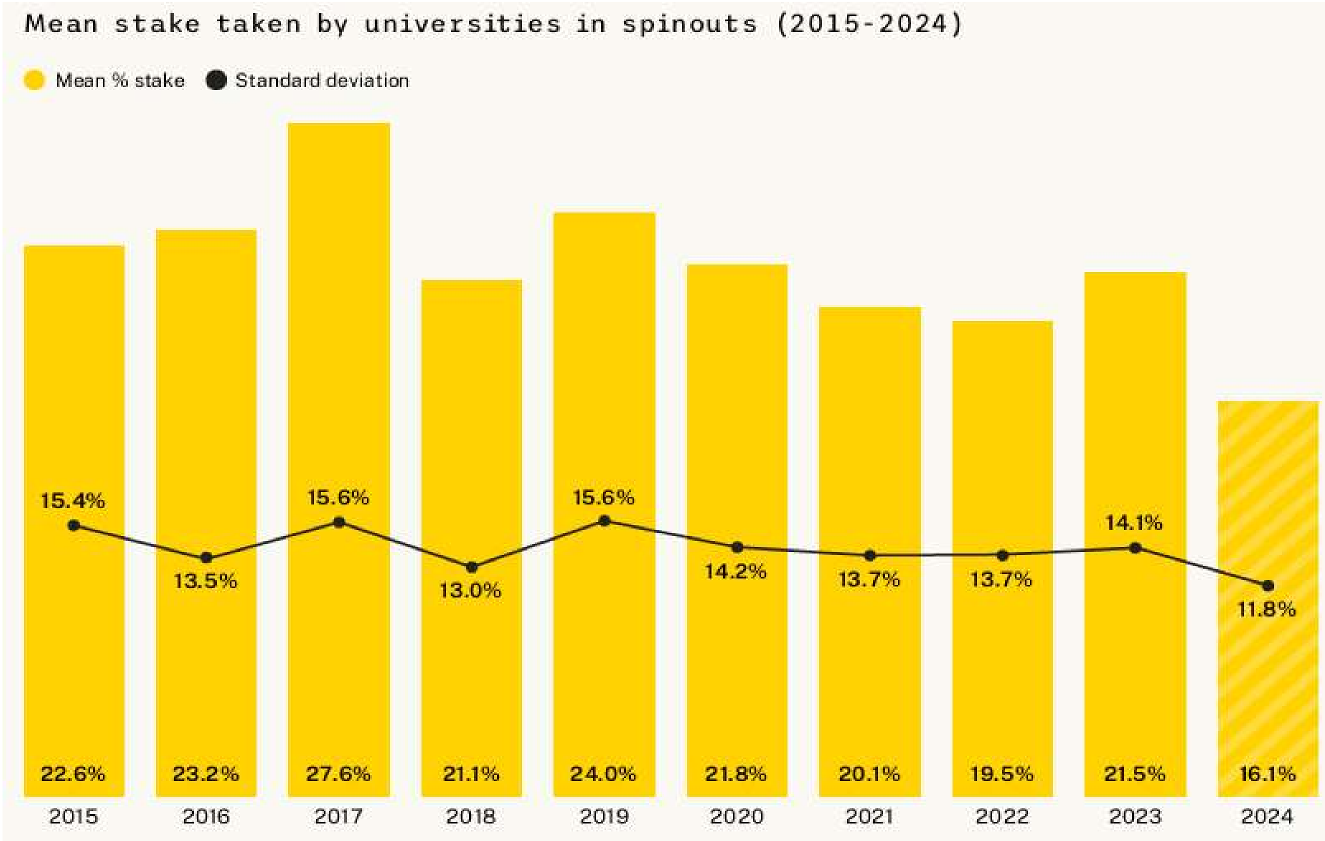
Academic founder equity model

- 80% for founder researchers, 20% (dilutable) for the University in nearly all cases
  - Some exceptions, 90% for founder researchers and 10% for the University

- Rationale : support of the University's aim to **foster innovation and entrepreneurship** in order to **maximise the global impact** of the University's research and expertise
  - Gives clarity
  - Enables the spinout to **incentivise founder researchers and attract experienced management teams and investors**.
  - Faster, easier and more transparent – no need for case-by-case negotiation

Innovation and commercialisation

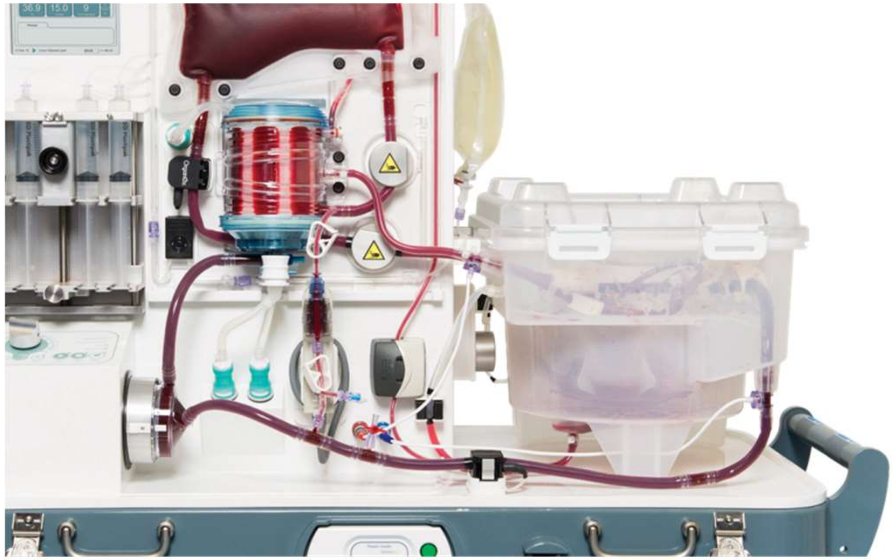




Spotlight on Spinouts 2025, Royal Academy of Engineering

2025 acquisitions

UNIVERSITY OF OXFORD



Oxford University spinout OrganOx to be acquired by Terumo for a record $1.5bn

Oxford Ionics has been acquired by US quantum leader IonQ in a $1.1bn agreement. Oxford Ionics was founded in 2019 by physicist Dr Chris Ballance from the Department of Physics, based on trapped-ion quantum technologies

Impact

UNIVERSITY OF OXFORD

Measuring multi-dimensional poverty to give actionable insights in 30 countries

Social venture, licence

Impact

Student startup Onfido bought by Entrust

Incubator student startup

Impact

Malaria vaccine scaling to 200 million doses per year

Licence to patented IP

UNIVERSITY OF OXFORD

Nearly 4k student entrepreneurial community

Enspire.ox.ac.uk

22%
of students see entrepreneurship as a career path

3800+
Community

400
Students trained

UNIVERSITY OF OXFORD RESEARCH SERVICES

UNIVERSITY OF OXFORD CAREERS service

UNIVERSITY OF OXFORD Saïd Business School Entrepreneurship Centre

OXFORD UNIVERSITY INNOVATION

UNIVERSITY OF OXFORD

Re-investing returns from innovation in research

UNIVERSITY OF OXFORD

- Proportion of revenues from IP licensing and spin-out equity realisation allocated to **Strategic Research Fund**
- Established in 2020 to make major transformative investments in **researchers** and **future research leadership**
- Position the University for global pre-eminence in a significant research area
- Financially de-risk first 1 to 4 years of department(s) **co-investment** in long-term, permanent increase in new research capacity

£30m+ invested:

- Oxford Net Zero
- ZERO Energy Institute
- Quantum Institute
- Global Health
- Digital Scholarship
- Oxford Research Software Engineers
- Sustainable Chemistry

Digital Scholarship @Oxford

NET ZERO OXFORD

ZERO INSTITUTE

Research and innovation – summary

- Strong research and innovation performance
- Attracting and retaining the best people are critical
- Renewing our infrastructure and processes
- Diversify funders, donors and practices for global competitiveness
- Playing an international role in understanding and solving significant problems
- Engaging local and regional stakeholders to share our assets