

# NIHR Funding Opportunities



**Prof. Michael Lewis**  
**Scientific Director for Innovation NIHR**

*Improving the health and wealth of the nation through research*



**slido**

#medtech



**Who is the largest funder of life science research in the UK?**

ⓘ Start presenting to display the poll results on this slide.

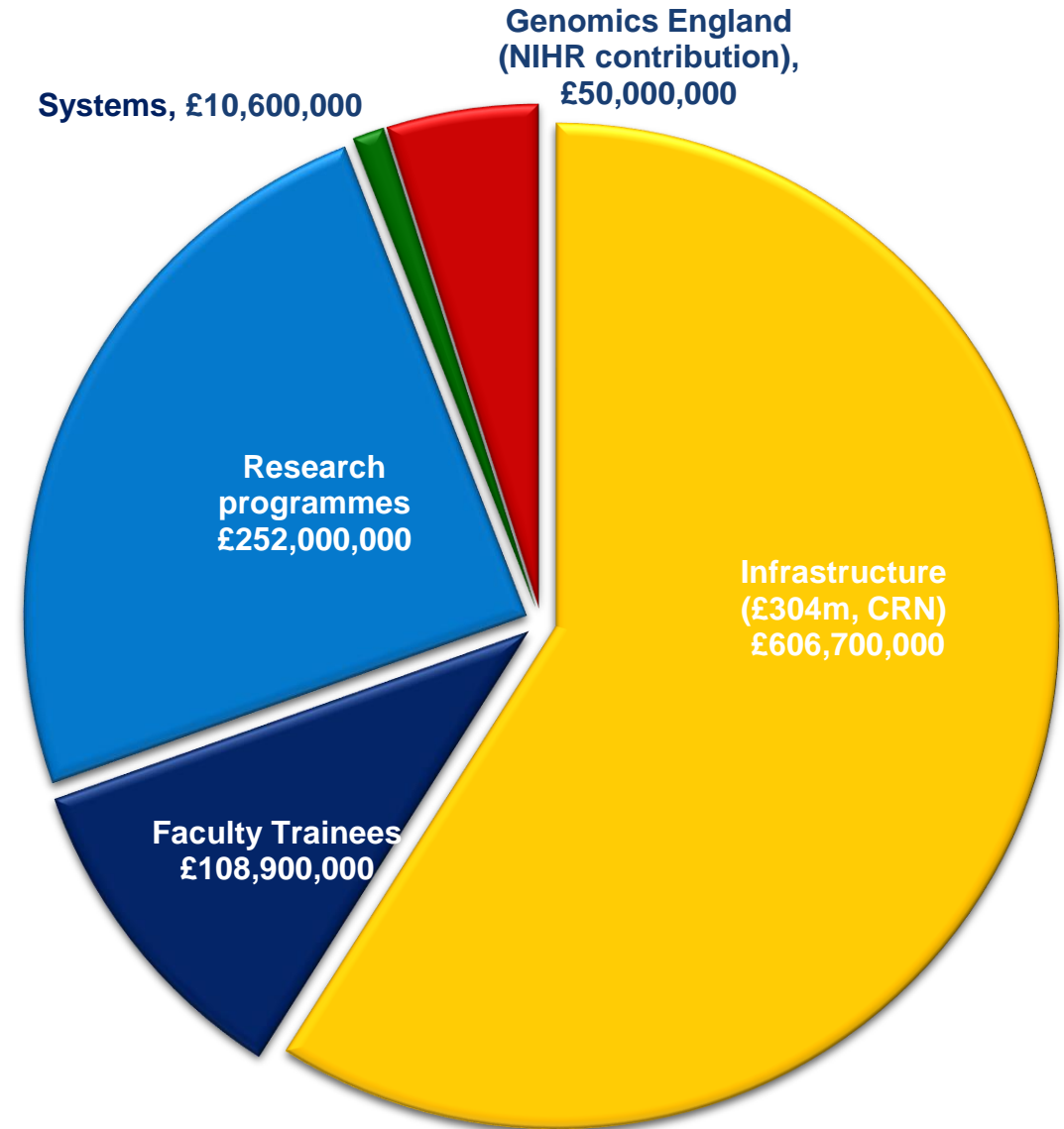
# What is the NIHR?

Largest funder of health and care research in the UK, supporting the development of therapeutics, medical devices and IVDs

Virtual organisation to support translational research and clinical trial management across the NHS and partner organisations

Supports collaborative projects between industry, charities, academia, other funders and the NHS

Total budget: £1.3bn in 2022/23



**PARTNERING WITH OTHER  
PUBLIC FUNDERS, CHARITIES AND  
INDUSTRY**

to maximise the value of research to patients and the economy

**FUNDING, SUPPORTING AND  
DELIVERING HIGH QUALITY  
RESEARCH**

that benefits the NHS, public health and social care



**NIHR's mission is  
to improve the  
health and wealth  
of the nation  
through research**

**INVESTING IN  
WORLD-CLASS  
INFRASTRUCTURE  
AND A SKILLED  
DELIVERY  
WORKFORCE**

to translate discoveries into improved treatments and services

**ENGAGING AND  
INVOLVING PATIENTS,  
CARERS AND THE  
PUBLIC**

in order to improve the reach, quality and impact of research

**ATTRACTING, TRAINING  
AND SUPPORTING THE BEST  
RESEARCHERS**

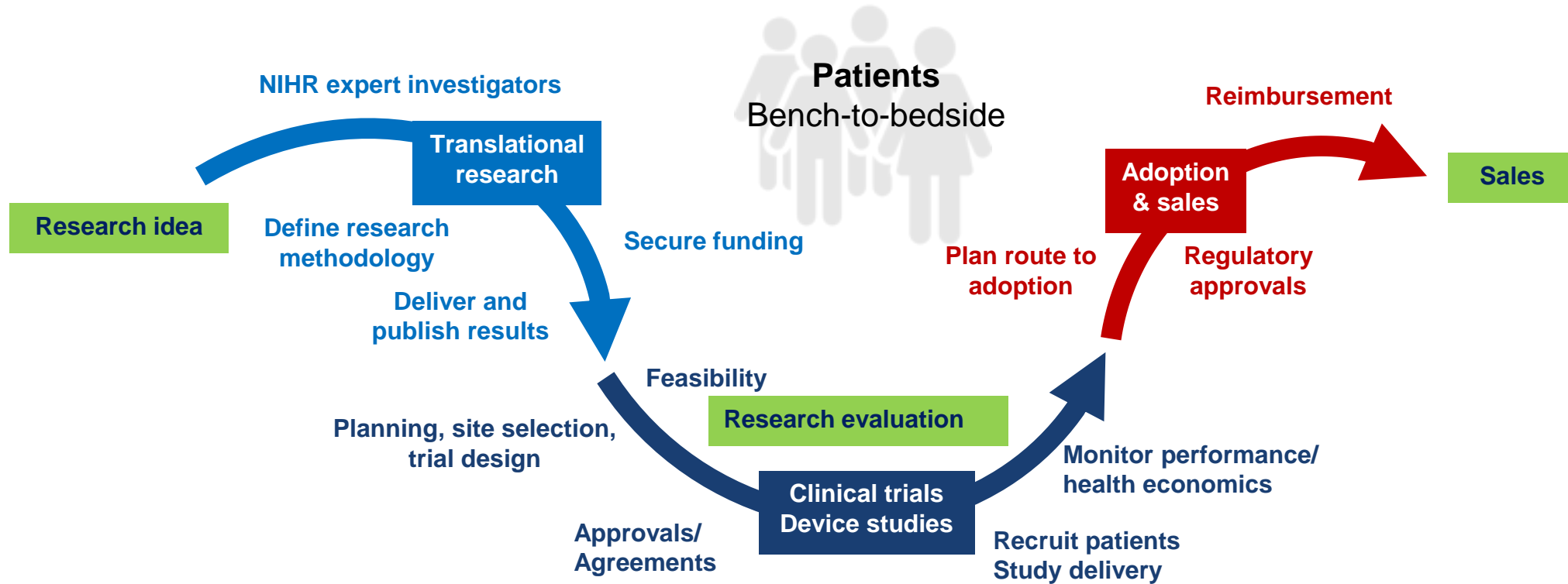
to tackle the complex health and care challenges of the future

# NIHR offer to industry

The NIHR works with the life sciences industry on the full range of clinical research into new therapeutics, devices and diagnostics, from early stage translational research through to later stage clinical trials in the NHS and social care settings.



# Support through the innovation pathway



NIHR can support the full translation-evaluation-evidence generation journey



# What's available?



# NIHR services for innovation

**Access to  
expertise and  
facilities**



**Support to set up  
and deliver trials  
in the NHS**

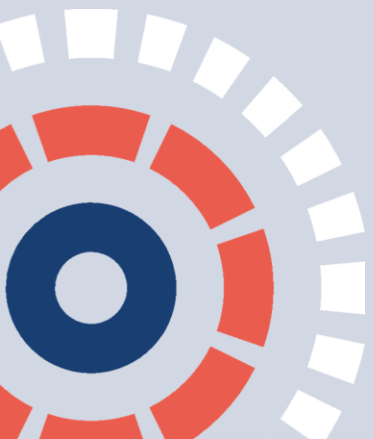


**Funding for  
research**





# Access to expertise & facilities



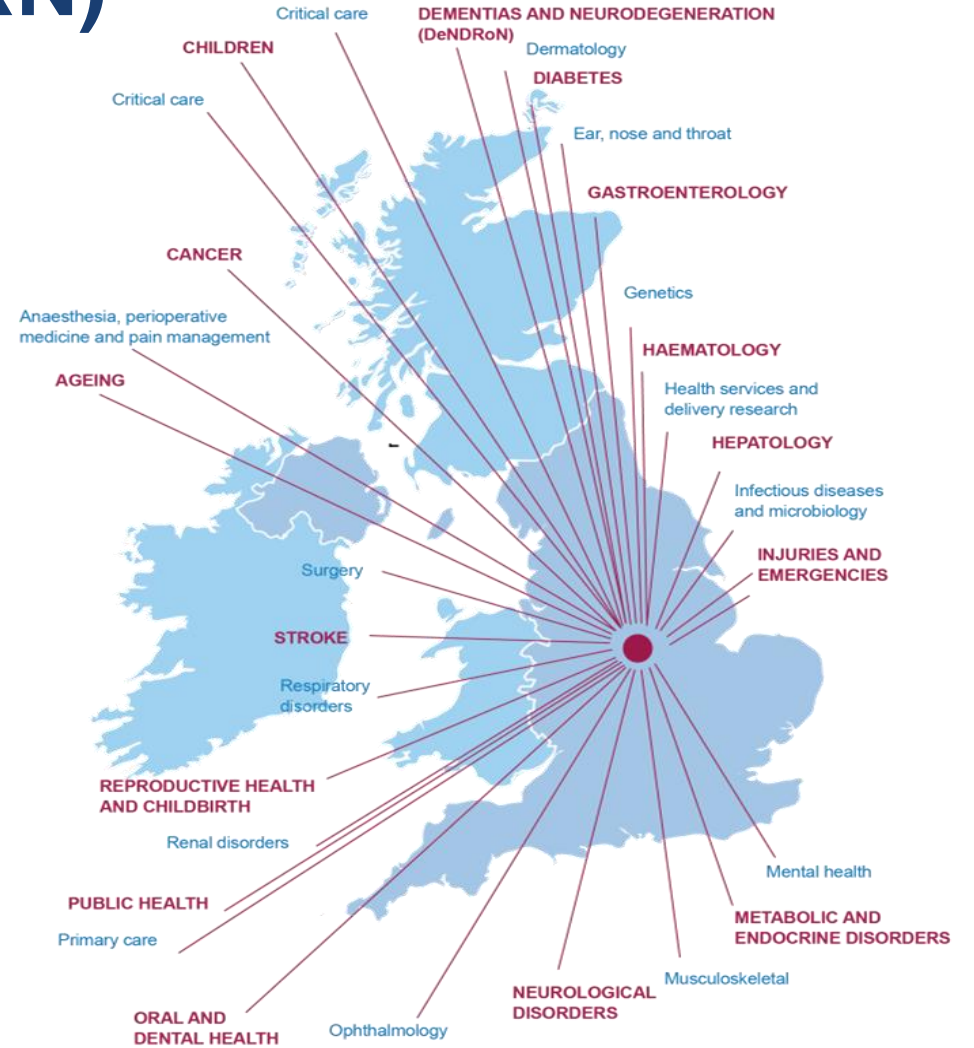
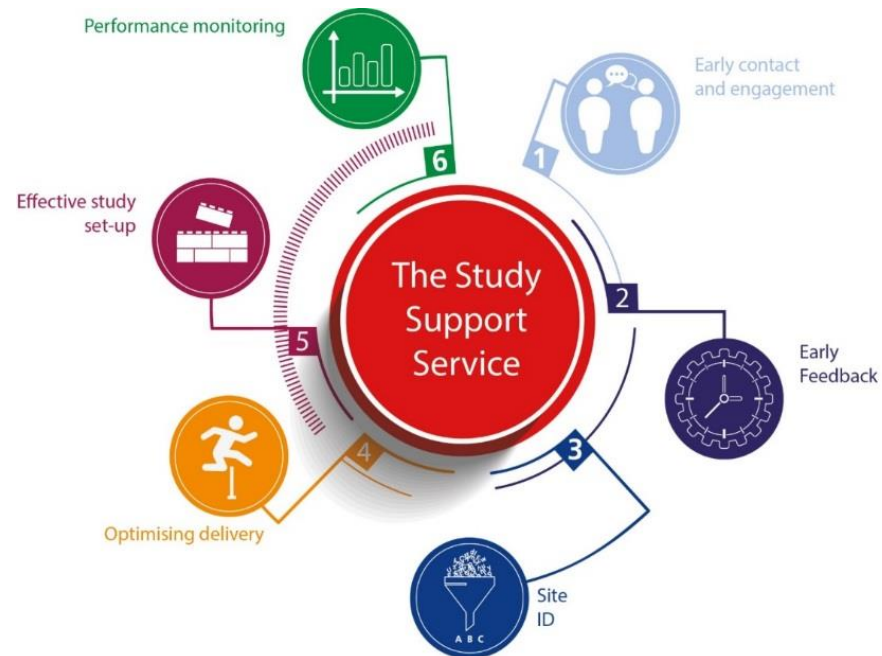
# Medtech & In Vitro Diagnostics Co-operatives (MICs)

- 11 MICs bring together patients, clinicians, researchers, commissioners and industry
- Evaluation of new technologies
- Evidence for regulatory requirements
- Value for the NHS



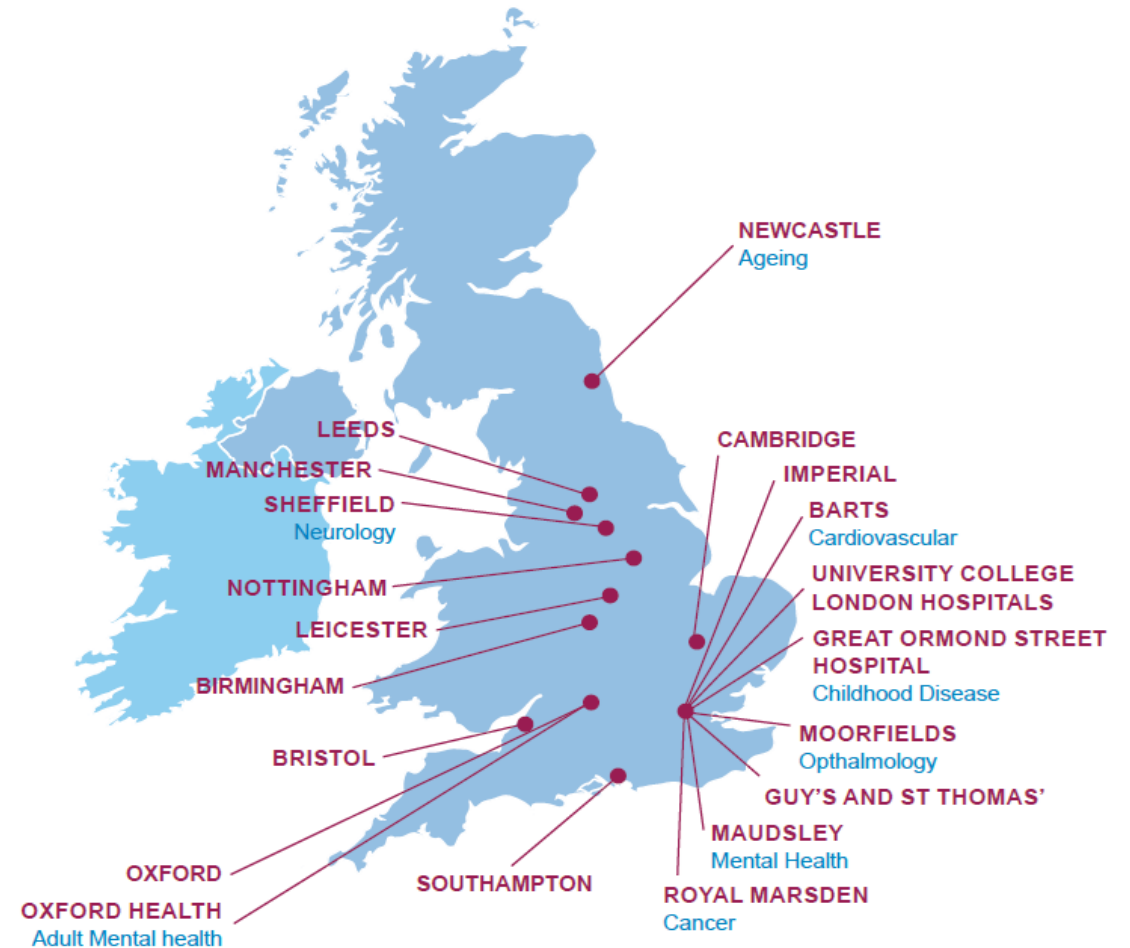
# Clinical Research Network (CRN)

- 15 local CRN (LCRN) across 30 clinical specialties
- Protocol and funding required



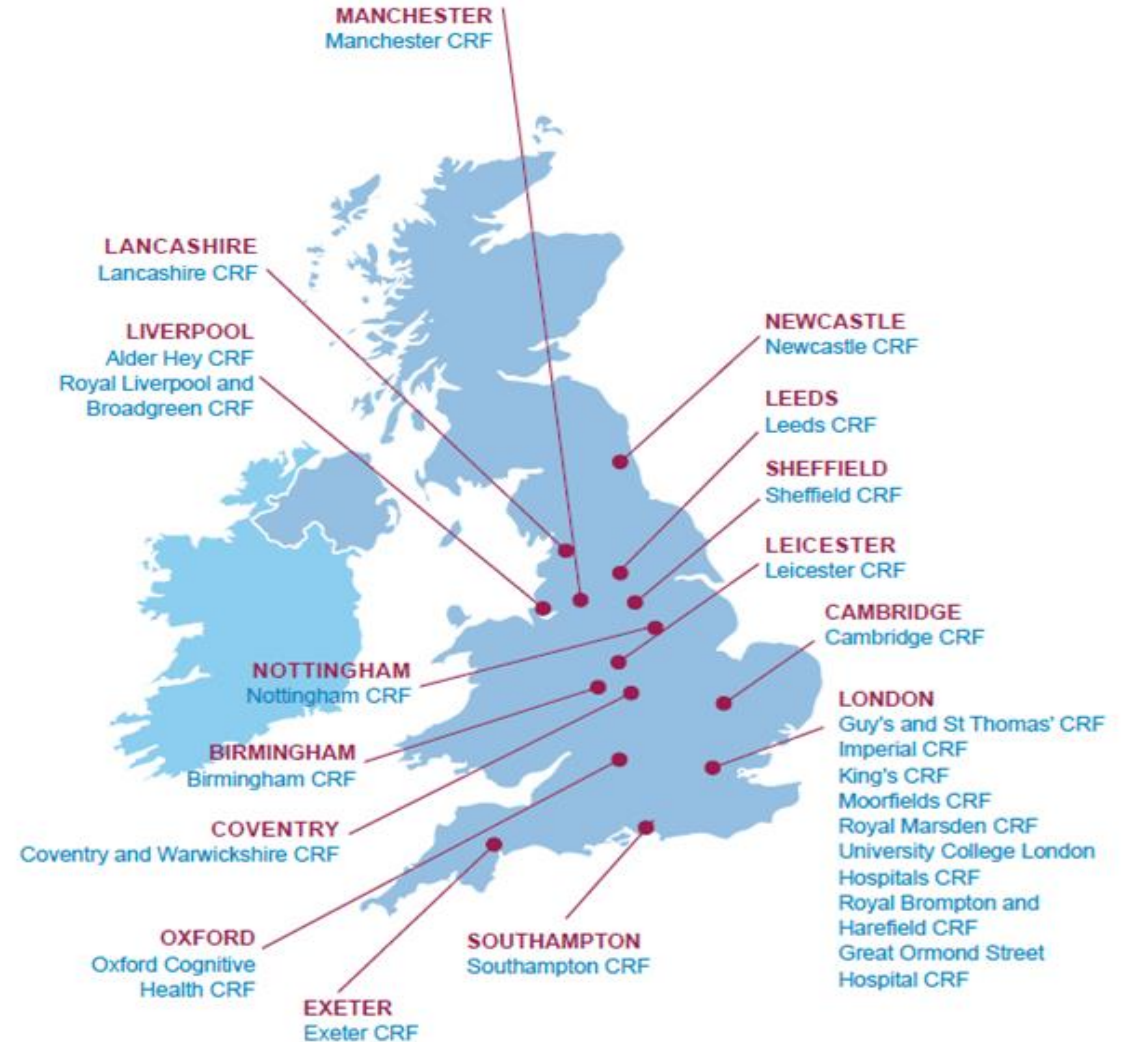
# Biomedical Research Centres

- 20 centres conducting translational research
- Partnerships between leading universities and NHS organisations
- Wide range of research themes including cancer, cardiovascular diseases, dementia, ageing, paediatrics, stroke, neuroscience, genetics and genomics



# Clinical Research Facilities

- 23 purpose-built facilities for experimental medicine
- Access for companies from study design to data collection and management
- Support for high-intensity studies and overnight stays



# Experimental Cancer Medicine Centres (ECMCs)

- 18 adult and 11 paediatric ECMCs
- Funded in partnership with CRUK
- Faster cancer drug development and biomarker discovery



# Data provision, patients and samples

**NIHR BioResource** (Access to  
>100k consented patients)

**Patient Engagement Service**  
(Connecting to Patient Groups)

**National BioSample Centre**  
(collection, processing and  
storage logistics)

**UK Biobank** (500k Participants  
longitudinal 40-69yr/old)



**NIHR Phenome Centre**  
(Metabolomics)

**Primary, Secondary and  
Research Data** (i.e. HDRUK,  
NHS Digital, CRIS, CPRD,  
Genomics England – 100k)

**Research theme specific provisions available through  
individual research groups and organisations**



# Clinical study support





# NIHR services for innovation

**Access to  
expertise and  
facilities**



**Support to set up  
and deliver trials  
in the NHS**



**Funding for  
research**



# NIHR clinical trials (Avg last 5 years)

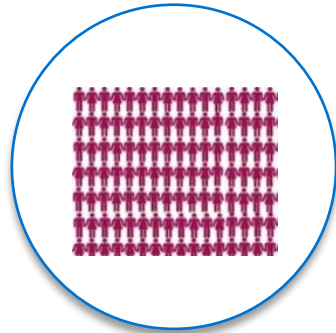


**5,000**

new  
studies

**1,000**

commercial



**1m**

patients  
recruited

**50,000**

commercial



**99%**

NHS trusts  
research active

**82%**

commercial

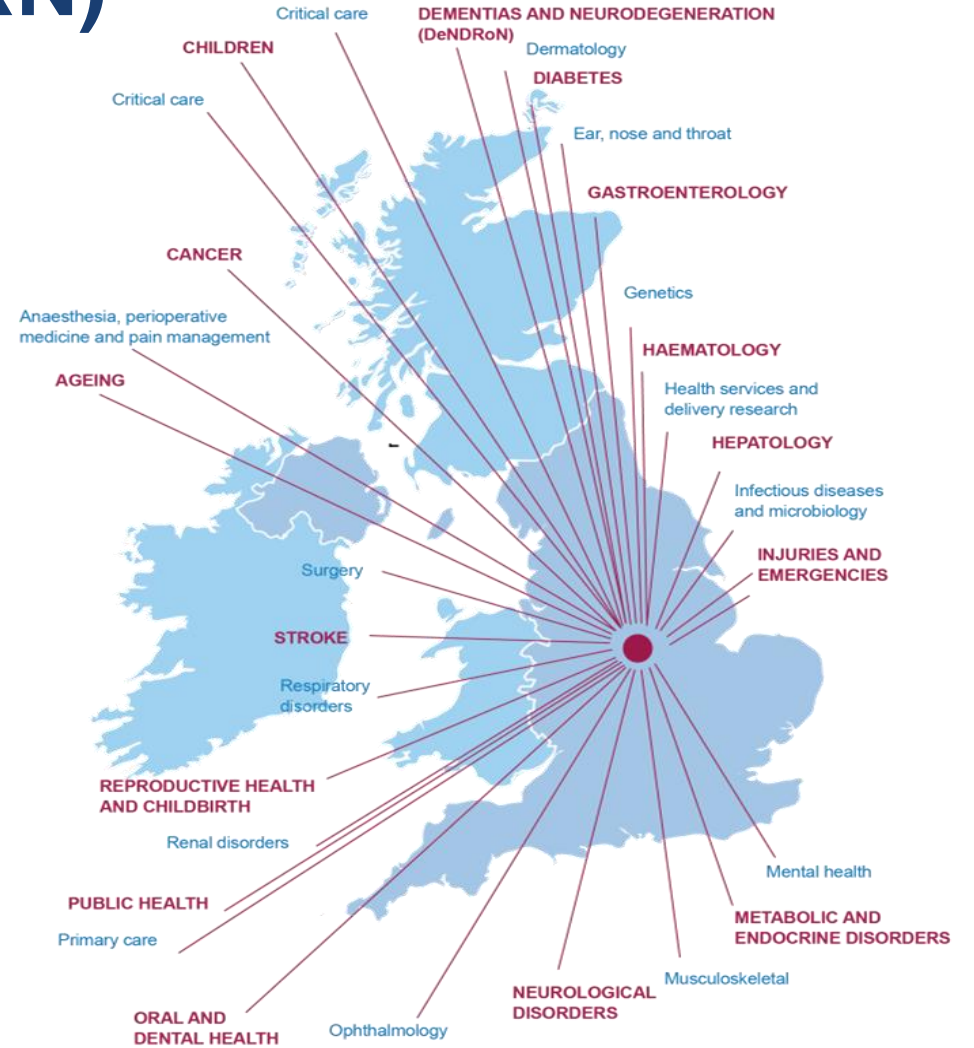
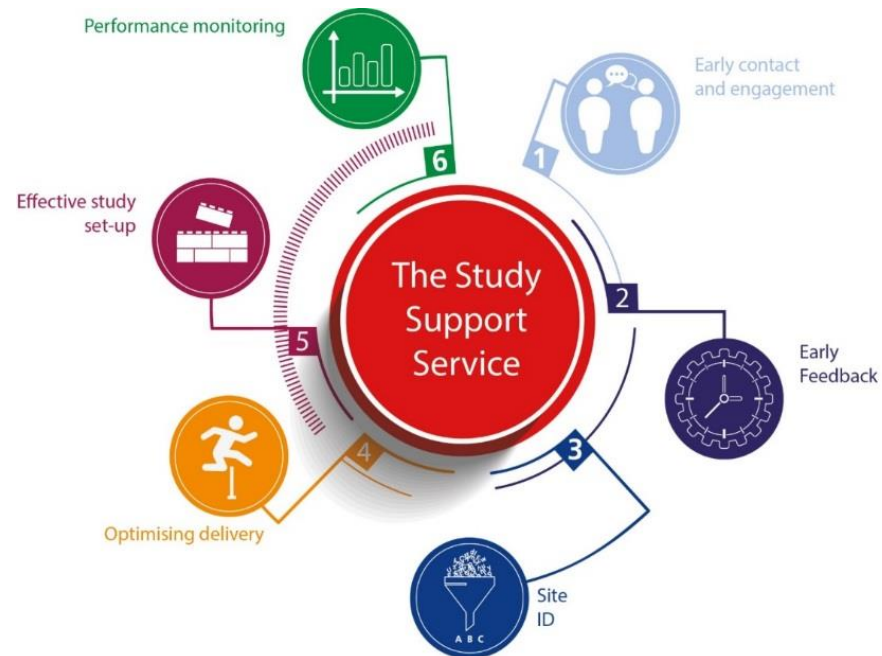


**1600+**

new CDAs  
signed since  
2006

# Clinical Research Network (CRN)

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# NIHR funding



# NIHR services for innovation

**Access to  
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**Support to set up  
and deliver trials  
in the NHS**



**Funding for  
research**



# UK national context

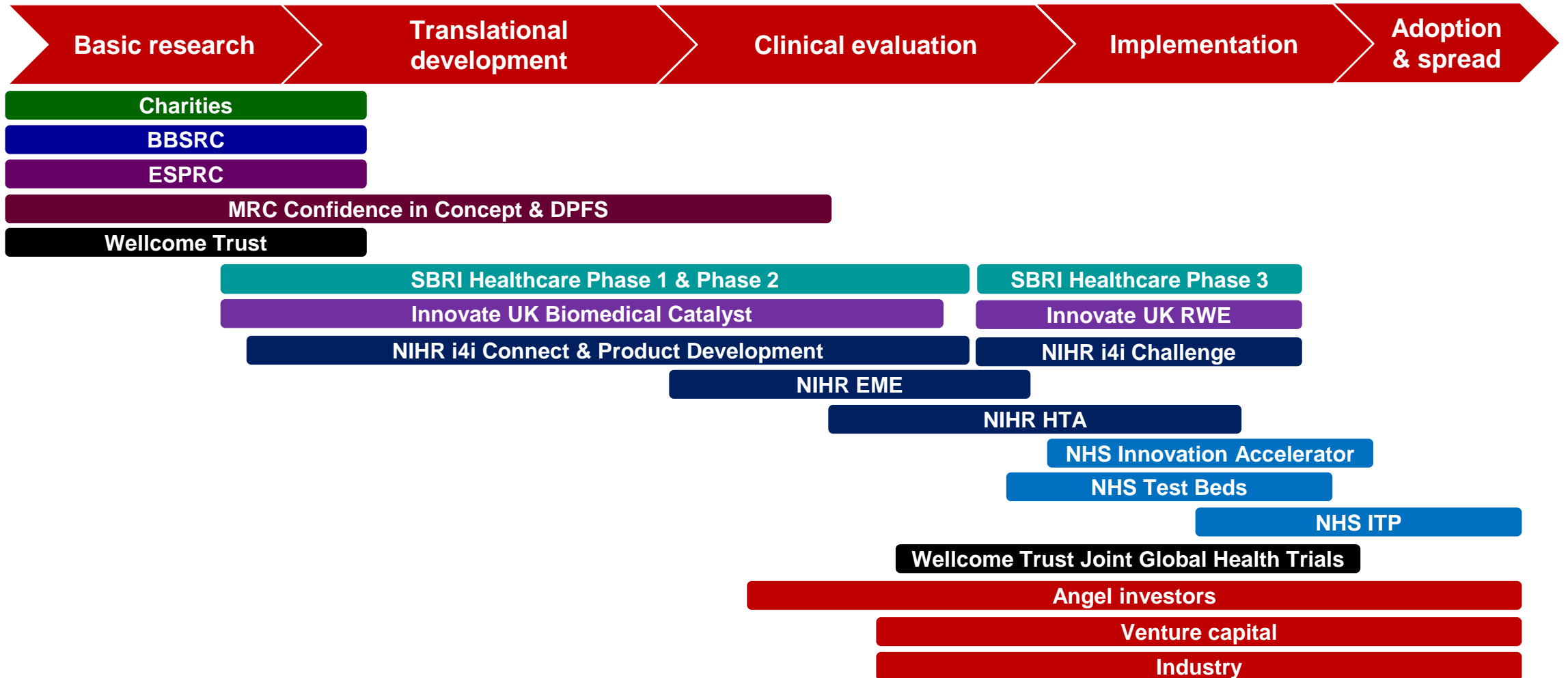
- **UK Industrial Strategy:**
- **Life Science Vision:**
- **Life Sciences Industrial Strategy & Life Sciences Sector Deal:** AI, genomics, diagnostics and precision medicine
- **Accelerated Access Review & Collaborative**
- **NHS Long Term Plan**
- **New EU regulations for medical devices (MDR) and in vitro diagnostic medical devices (IVDR)**



Review of innovative medicines and medical technologies supported by Wellcome Trust



# Funding landscape





# The i4i programme





# i4i – Who we are, what we do

## **NIHR translational funding scheme**

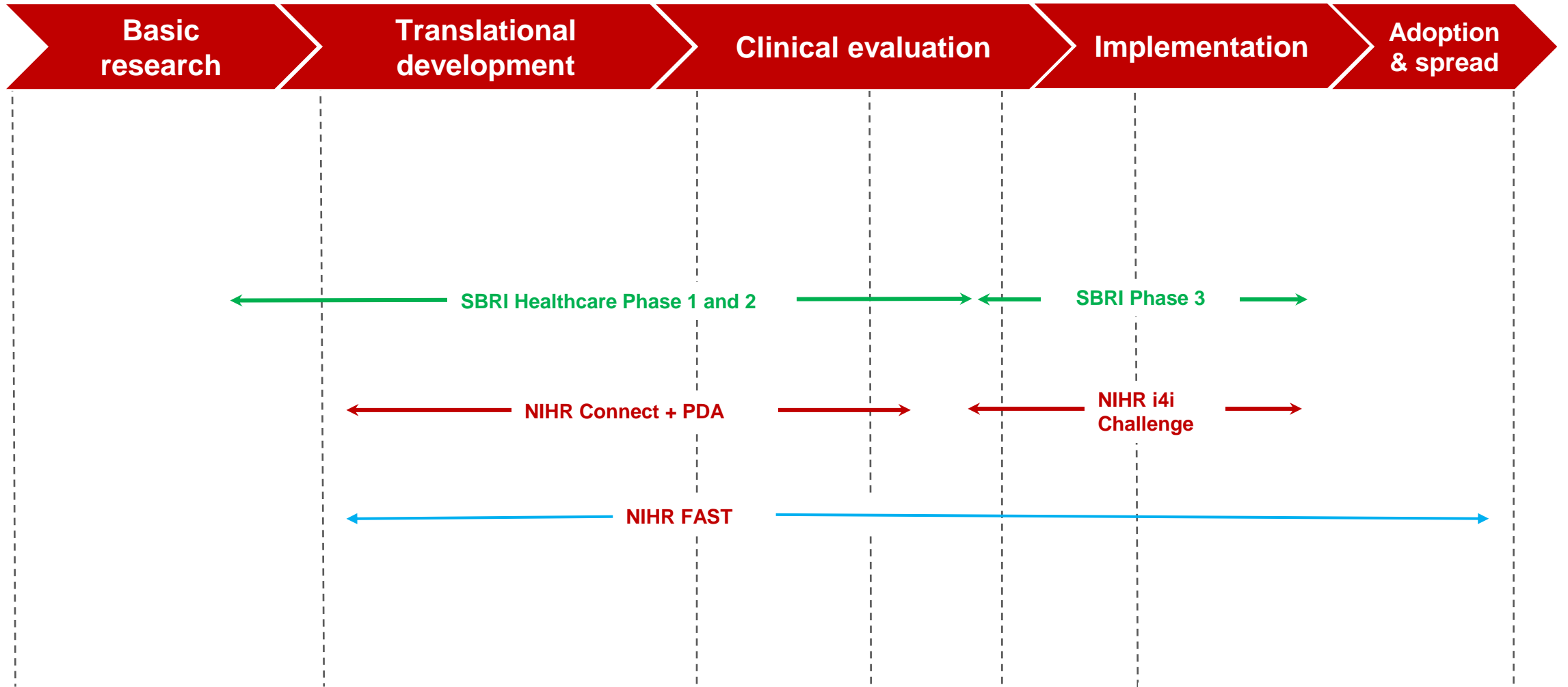
Led by Programme Director, Michael Lewis  
Supported by a team of Programme Managers



## **We fund breakthrough technologies**

Through collaborative R&D  
By de-risking projects for follow-on investment  
Focusing on innovative medtech solutions and patient benefit

# Funding landscape



# i4i value proposition

**Dedicated medtech funding programme**

**Uncapped awards, 100% funding**

**Academic, clinical or SME lead**

**Assessment by technical, clinical & commercial experts**

**Thorough due diligence throughout assessment process**

**Risk- and impact-focused award monitoring**

**Exposure to early-stage investor community**

# SME friendly programme



Source of early funding,  
100% support



Risk-oriented programme



Dedicated  
programme manager  
to support you



Early collaborations with  
NHS and academia

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**350**

Contracts  
awarded

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**£300m+**

Total invested



**61%**

projects gathering  
clinical data evidence



**>22550**

participants in clinical  
evaluations



**100%** projects  
with active involvement  
of patients and the public



**>760**

collaborations



An average of **3.6**  
jobs created per project



**41%** projects  
achieve CE mark



**2 IPOs**

**£190m+** raised



**£94m+**  
funding leveraged



# Applying to i4i



# i4i funding streams

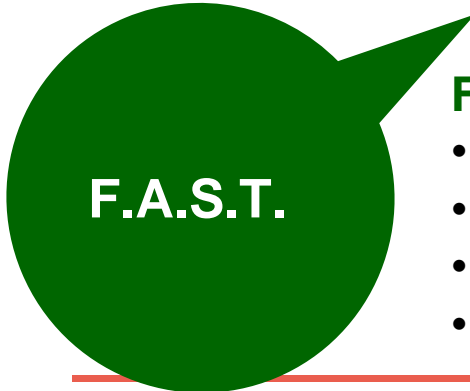
## Product Development Awards:

- Funding for HEI, NHS Trusts, SMEs
- No upper limit
- Up to 36 months
- Collaborative



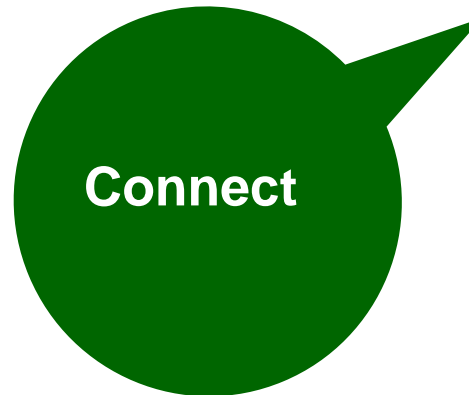
## Challenge Awards:

- Funding for HEI, NHS Trusts, SMEs
- No upper limits
- Up to 36 months
- Collaborative



## F.A.S.T.

- Open Funding
- 6-8 turnround
- Up to £50,000
- Max 6-months

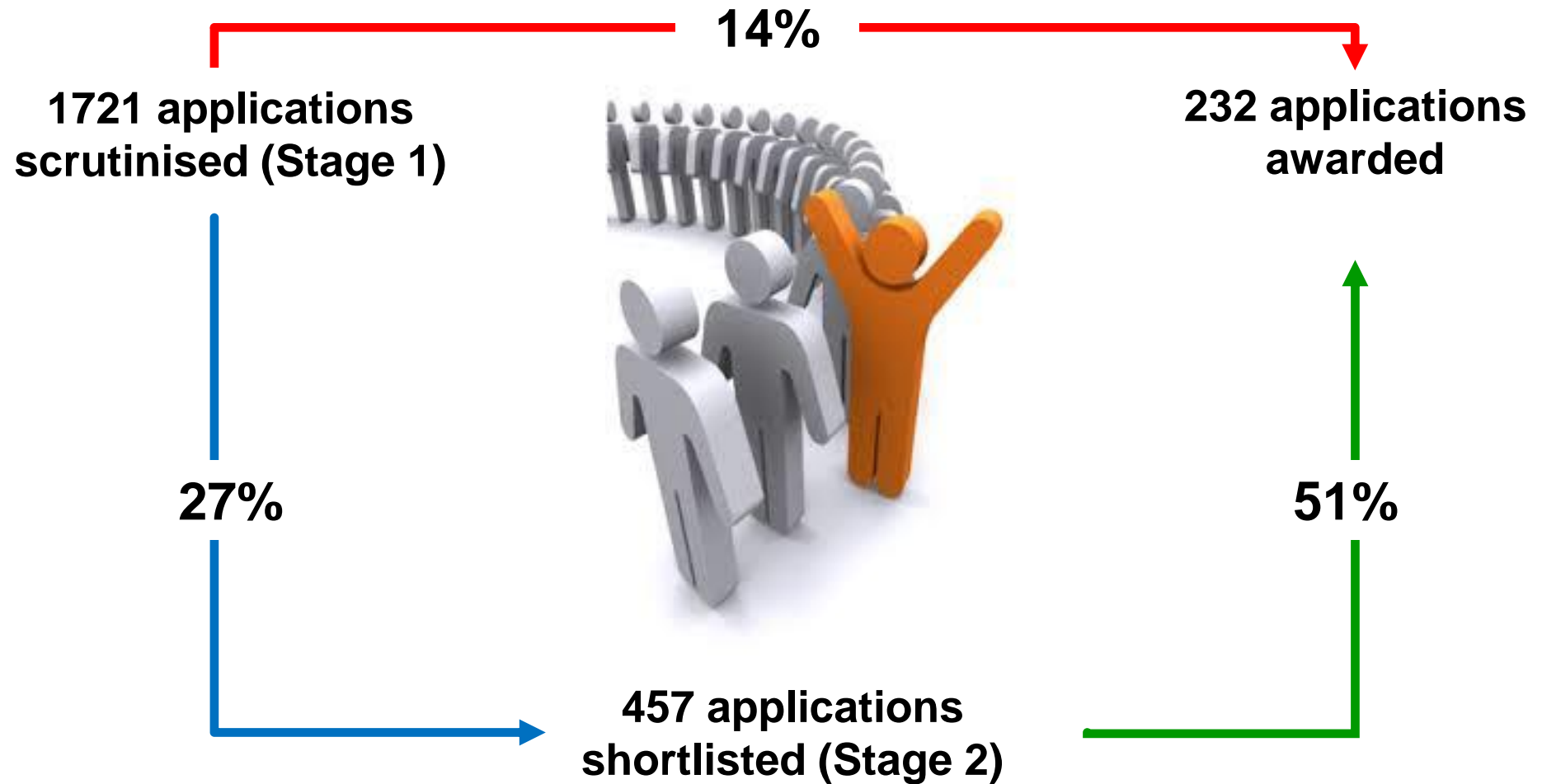


## Connect

- Funding for SMEs
- HEI/NHS Trust can be collaborator
- Up to £150,000
- 6-12 months



# i4i success rates



# Access to the NIHR

## Open door to industry

**NIHR offers a SIGNPOSTING SERVICE**  
Service is **simple** and **free of charge**

- Access to expertise and facilities
- Research funding opportunities
- Support to set-up and deliver trials

**[signposting@nihr.ac.uk](mailto:signposting@nihr.ac.uk)**



Join at [slido.com](https://www.slido.com)  
Event Code: #medtech



# Questions?

**Prof. Michael Lewis**

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# Innovate UK: Innovation Landscape & Funding for Regulatory Support

Lewis Oakley  
Innovation Lead - Health Technologies

# AGENDA



## Introduction to the Role of Innovate UK

- » Innovate UK
- » Funding Opportunities




## Key Programmes

- » The Biomedical Catalyst
- » Health TRIP



## Support for the Sector

- » General Support
- » Business Support



# THE ROLE OF INNOVATE UK

# Innovate UK

- We are the UK's innovation agency
- We support business-led innovation in all sectors, technologies and UK regions
- A key delivery body of the Government's Innovation Strategy

## Our Mission

To help UK businesses grow through the development and commercialisation of new products, processes, and services, supported by an outstanding innovation ecosystem that is agile, inclusive, and easy to navigate.



# Benefiting everyone through knowledge, talent and ideas

UK Research and Innovation brings together the 7 Research Councils, Innovate UK and Research England.

As part of UK Research and Innovation, Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas including those from the UK's world-class research base.



**UK Research  
and Innovation**



Join at [slido.com](https://www.slido.com)

Event Code: #medtech

# Slido Question:

What Funding Programmes are Available for MedTech SME's?

# THE BIOMEDICAL CATALYST

# Biomedical Catalyst

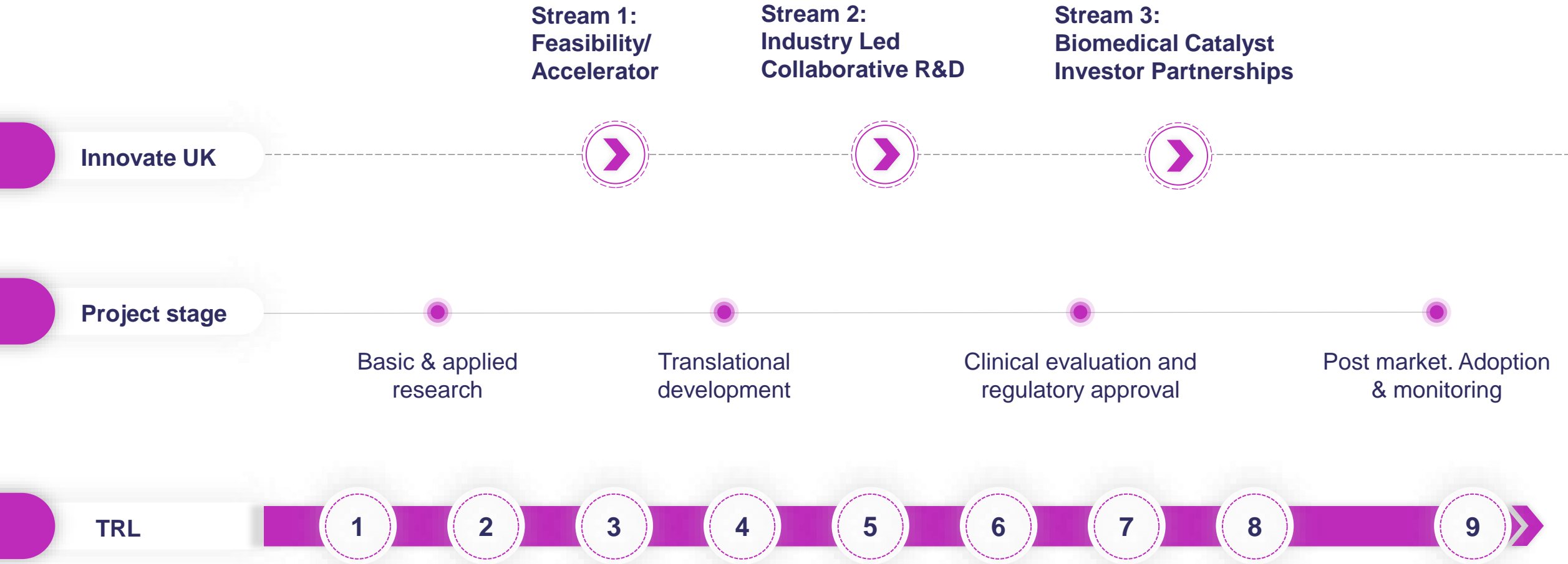
- Primary Innovate UK grant funding mechanism for supporting UK health & life sciences SMEs
- Running since 2012 & Innovate UK allocated over £320 million in funding awards
- Technology agnostic and open to any human health and life science SME with an innovative idea

## Aims of the programme

1. Deliver growth to the UK health & life sciences sectors
2. Deliver innovative life sciences products and services more quickly and more effectively into healthcare
3. Provide support to commercially led R&D in a seamless, effective and efficient manner



# Biomedical Catalyst Funding for Industry Led R&D



# Biomedical Catalyst Feasibility / Accelerator

## STAGE 1

- » Sector Specific Accelerator
- » Duration: 4 to 6 months;
- » Support: 30-40 companies

### Supporting Ecosystem

- » Pharma/Health Tech industry, Investors-VC/CVC Charities
- » Clinical Support/Patient Advocate/Regulators/Catapults

### Provides Innovation framework and tools to :

- » Validate/de-risk projects
- » Develop value proposition/business model
- » Generate detailed, timed and costed project plan
- » Access to mentoring by industry
- » Access to private investor ecosystems

## STAGE 2

- » Feasibility funding closed competition
- » £100k - £150k funding at 100%

### End of Project

Investor Showcase





# Biomedical Catalyst Investor Partnerships

## Grant funding

- » Validate quality early-stage R&D
- » Grant: Non-dilutive finance
- » Access to UK wide companies
- » Monitoring of projects



## Investor partner

- » Validates quality companies
- » Equity finance
- » Access to markets
- » Influence on company



## Portfolio of SMEs

- » Strong, commercially exploitable asset
- » Good team with aptitude for growth
- » Structure to support scalability

## Thematic Competition

- » Maximum project costs £4 million
- » Grant Support up to 70% of project costs
- » VC, Angel or corporate investor- 70% match (Focus on project and company growth)



# Health Technology Regulation & Innovation Programme



# THE HEALTH TECHNOLOGY REGULATORY AND INNOVATION PROGRAMME (HEALTH TRIP)

## Aim:

To provide a wide package of support to the UK health tech industry to help them in a changing regulatory environment



### Regulatory support

£7.3m funding competition, awarded to 317 SME's up to £30,000 to fund regulatory consultancy advice and support



### Training

Developed a webinar series about changing medical device regulations and the regulatory journey that was accessed more than 11,000 times



### MedTech challenges and opportunities report

Utilised all project inputs, surveys and interviews to identify the key challenges facing SMEs and developed actionable recommendations to address them



### IVD technology roadmap

Developed a technology and capability roadmap for in vitro diagnostics to support future industry planning and government interventions

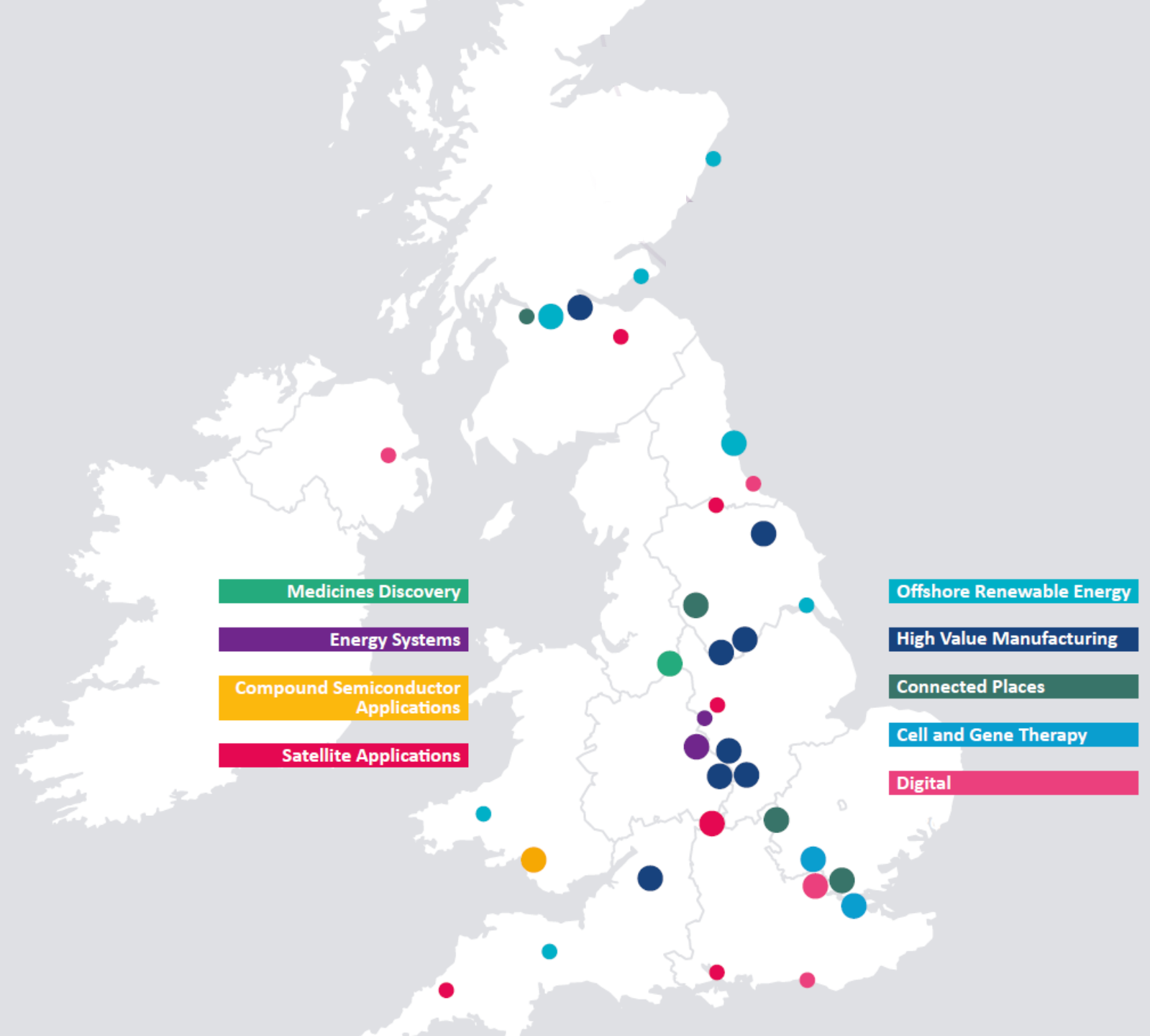


# Health And Lifesciences Sector Support

# Catapult Network

Fostering innovation to drive economic growth

- bridge the gap between businesses, academia, research and government
- transforming the UK's ability to create new products and services
- ensure global opportunities for the UK and sustained economic growth for the future



# Innovate UK EDGE

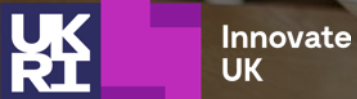
## Bespoke support that grows & scales innovative businesses

We enable innovation-driven businesses to grow at pace and deliver on their industry and society-transforming ambitions.

Our innovation and growth specialists provide invaluable advice and access to critical resources to help clients make step changes towards scale.

For intensive support with your growth strategy, including exploiting innovation, securing funding & finance and entering new markets, please get in touch.

[innovateukedge.ukri.org](https://innovateukedge.ukri.org)



Find out how Innovate UK EDGE helped Photocentric double the size of their business year on year


# Innovate UK KTN

Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking – accelerating ambitious ideas into real-world solutions.

Net Zero | Diversity & Inclusion | Global Innovation | Innovation Adoption & Diffusion | Place



Innovate UK  
KTN



# Innovate UK Funding Opportunities

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# Funding Opportunities

- Biomedical Catalyst (BMC)
- The Health Technology Regulation & Innovation Programme (HealthTRIP)
- Horizon Europe
- Innovate UK Smart Grants
- Managed Programmes
- Small Business Research Initiative (SBRI)
- Industry Strategy Challenge Fund (ISCF)
- Knowledge Transfer Partnerships
- Innovation Loans
- Investor Partnerships
- Innovation to Commercialisation of University Research (ICURe)
- Future Leaders Fellowship
- Global Programme

Innovate UK supports the following R&D categories:

- fundamental research
- feasibility studies
- industrial research
- experimental development

Not all funding options are open at any one time. Check website for latest opportunities.



Innovate  
UK

# Thank You

Lewis Oakley  
Innovation Lead - Health Technologies

