Funding opportunities

Innovate UK & ICURe

Scottish Lifesciences Masterclasses

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Innovate UK

Innovate UK is part of
UK Research and Innovation

Current Innovate UK competitions open to applicants

Open competitions	Amount	Deadline
Precision Medicine Investment Accelerator	£6m	23rd May '18
UK-China Collaboration to Tackle Antimicrobial Resistance	£10m	6th June '18
Biomedical Catalyst 2018 Round 1	£10m	6th June '18
Innovation loans: Open Competition	£10m	13th June '18
Open Programme Funding Competition Round 1	£20m	11th July '18
Agri-Tech Catalyst Colombia	£3m	25th July '18

Further details including eligibility, scope, application details and other visit the **Innovation Funding Service**

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Innovate UK competitions that will be launched imminently

Up and Coming competitions	Amount	Open	Deadline
Precision Medicine Technologies: Shaping the Future	£5m	14th May 18	11th July 18

Further details including eligibility, scope, application details and other visit the **Innovation Funding Service**

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Information on ALL UKRI funding competitions

Up to date UKRI funding opportunities across the nine councils are listed here:
www.ukri.org/funding/funding-opportunities

ICURe

Innovation to Commercialisation of University Research

SETsquared PARTNERSHIP

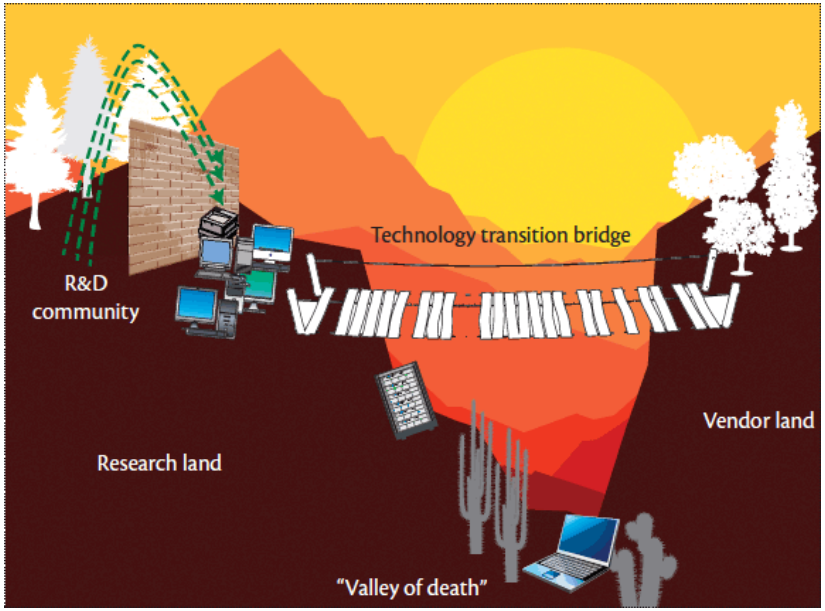
Innovate UK

“I thought I knew the target market for my technology but this programme has helped our team gain real feedback from potential customers and is dramatically changing the way we view our approach to research commercialisation.”

- SETsquared ICURe programme participant -

ICURe objectives

- Enhance the impact of the research done by Universities
- Increase the commercialisation of university research through all vehicles
  - Spin outs
  - Licensing
  - Collaborative research
- Enhance the commercial knowledge and skills of academic researchers
- Provide experience and training for early career researchers in the commercial marketplace



ICURe approach

Teams

Entrepreneurial Lead
Post-doc or late stage graduate student in research group

Research group leader
PI / Senior Researcher

Advisor/Mentor
Commercially experienced in relevant sectors

Technology Transfer Officer
(or equivalent)

Budget

£15,000 salary entrepreneurial lead

£20,000 travel

Market validation

Residential boot camp
4 days

Market & customer engagement
100 interviews in 3 months

Product/service specification and validation

Options roundabout

At completion of market validation activities

Experienced panel assesses results

Recommends future direction
e.g. licensing, further research

ICURe delivery & University participation

ICURe

The ICURe Innovation-to-Commercialisation programme offers university researchers with commercially-promising ideas up to £35k to 'get out of the lab' and validate their ideas in the marketplace.

176 teams in 14 cohorts

teams per HEI

Total of 34 HEIs

Bath: 10
Bristol: 16
Exeter: 15
Surrey: 20
Southampton: 23
Portsmouth: 4
Aston: 3
Newcastle: 10
Queens Belfast: 8
Warwick: 10
Durham: 5
Liverpool: 4
Manchester: 1
Edinburgh: 4
Glasgow: 4
Strathclyde: 1
Birmingham: 1

Plymouth: 1
Coventry: 7
Brunel: 9
John Moores: 3
Anglia Ruskin: 2
Bournemouth: 1
Cambridge: 1
Imperial: 2
Liverpool Hope: 1
Northampton: 1
South Wales: 2
Bradford: 1
York: 1
UCL: 1
Westminster: 1
Wolverhampton: 1
Sheffield Hallam: 1

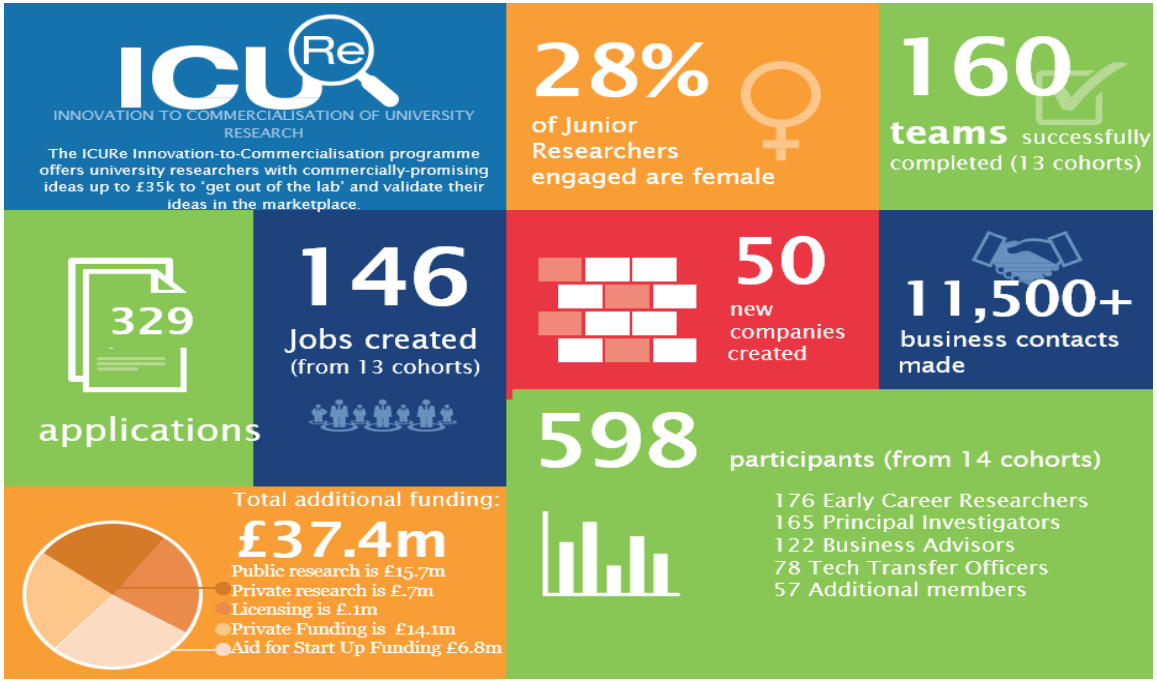
QUEEN'S UNIVERSITY BELFAST

ICURE@qub.ac.uk

WARWICK
THE UNIVERSITY OF WARWICK

SETsquared PARTNERSHIP
Universities of Bath, Bristol, Exeter, Southampton & Surrey

ICURe results to date



Ipsos Mori Evaluation 2016

- To assess how ICURe
  - accelerates commercialisation of ideas originating in universities
  - generates economic impact
  - produces its effects on the entrepreneurial skills of participants

- Preliminary Findings
  - 79% likelihood of pursuing a commercialisation outcome v's 15% for non-ICURe teams
  - ICURe works for all technical fields
  - Of the 30 spin outs created by 2016, 24 would NOT have been created without ICURe

ICURe 2018-20

- 7 ICURe competitions
  - Any discipline
  - Any university
- 5 Open competitions
  - Funding for spin outs emerging from the ICURe programme
- 3 delivery partners
  - ICURe North – Queens University Belfast
  - ICURe Midlands – University of Warwick
  - ICURe South – SETsquared

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ICURe imminent competitions

ICURe North – Queen's University Belfast

- Cohort A – w/c 30 July 2018
- Cohort B – w/c 7 January 2019

Innovate UK Programme Manager: Dr Emma Burke emma.burke@innovateuk.gov.uk

Contact for ICURe North: ICURE@qub.ac.uk

Biomedical Catalyst

Innovate UK in partnership with MRC

MRC Medical Research Council

Innovate UK

UK Research and Innovation

MRC Medical Research Council | Innovate UK

Biomedical Catalyst timeline

2012	BMC provided with £90M funding for life sciences projects at varying stages of technical & commercial development. MRC aligned core funding for academic-led projects
2014	Funding extended in 2014 with additional £30m
2015	Innovate UK funding fully committed by 8th round in June 2015 (£132m funding for 186 SME-led projects)
2016	Innovate UK BMC 2016 launched as a one-off with £10m *internal* Innovate UK funding MRC have continued to support BMC with ~£30m core funding per year
2016	Additional £100m to IUK announced September 2016 for 4 more years - Three rounds per year planned until 2020/21 with aligned MRC funding - Innovate UK commitment per round determined by spend profile: £10M / £30M / £30M / £30M

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MRC Medical Research Council | Innovate UK

Biomedical Catalyst funding streams

"Technology agnostic"

~ 3 competitions with 2 streams per year

MRC awards (DPFS)

These are not staged – Applications across the translational pathway are eligible

Confidence in Concept

This is earlier funding at local university level

Feasibility	Primer	Early Stage	Late Stage
Projects to £200k	Projects to £1.5m	Projects to £4m	Projects to £4m
Up to 1 year	Up to 2 years	1 to 3 years	1 to 3 years
Single stage written	Single stage written	Written + Interview	Written + Interview
Exploration and evaluation of the commercial potential of a scientific idea (desk or bench)	Technical evaluation through to proof of concept in a model system	Progression of technical evaluation up to the point of readiness for clinical testing	Demonstration of effectiveness in humans, patients or other relevant environment

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MRC Medical Research Council | Innovate UK

- Broad Scope: **innovative solutions to health & care challenges**
- Projects from any sector or discipline that demonstrate the potential for significant positive healthcare and economic impact

- to lead a project you must:
  - be a UK-based **SME**
  - carry out your project in the **UK**
  - work **alone** or in **collaboration** (businesses, research base, third sector)

Feasibility awards

- up to £2 million total funding available
- maximum **total project costs** of £200,000, project duration of 3 - 12 months
- **single stage application** process

Early stage awards

- up to £8 million total funding available
- maximum **total project costs** of £250,000 to £4 million
- project duration of 12 – 36 months
- **two stage application process**. **Major Awards Committee** interview 1st & 2nd Oct 2018

UK Research and Innovation

MRC Medical Research Council | Innovate UK

BMC 2018 Round 1: scope for feasibility award

To explore and evaluate the commercial potential of innovative scientific ideas through:

- reviewing research evidence and identifying possible applications
- assessing business opportunities
- investigating intellectual property issues
- validating initial concepts and existing pre-clinical work through experimental studies
- identifying areas for further development

UK Research and Innovation

MRC Medical Research Council | Innovate UK

BMC 2018 Round 1: scope for early stage award

To complete a data package sufficient to support the **subsequent** testing of your products or process in a clinical setting or other relevant environment. An Early Stage project can include:

- experimental evaluation (lab-scale)
- Use of *in vitro* and *in vivo* models to evaluate proof of concept or safety
- exploring potential production mechanisms
- early-stage prototyping
- product development planning
- intellectual property protection

Innovation Loans

Innovate UK

Innovation loans

- Innovate UK is running a pilot programme of loan competitions over 2 years to the end of 2019.
- A total of up to £50 million is available for business innovation projects.
- Innovation loans are, we believe, most useful for innovations near to market, whereas grants are more suitable for earlier stage, riskier innovations.
- UK small or medium-sized enterprises (SME) that want to scale up and grow by developing new or improved products, processes or services.
- Used for late-stage research and development (R&D) projects that have not yet reached the point of commercialisation.
- SMEs will need to show that they can afford the interest and repayments on the loan and that they cannot obtain finance from other sources such as banks and equity investors.
- Innovation loans will be delivered by Innovate UK Loans Ltd, a wholly-owned subsidiary of Innovate UK.

Precision Medicine

Innovate UK

Precision medicine technologies

Feasibility projects :

- can last up to 12 months and have total project costs up to £100,000.
- can be from a single SME or an SME working with other businesses or research organisations collaborative projects led by an SME

Collaborative research and development projects :

- can last up to 24 months and have total project costs up to £2 million.
- be collaborative and include at least 2 grant-claiming organisations
- be led by a UK based company or RTO of any size
- must include an SME

UK Research and Innovation

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Precision medicine technologies: shaping the future

Innovate UK will invest up to £5 million in innovation projects to support the development of precision medicine (PM) technologies.

Feasibility – for analysis and evaluation of a concept's potential, identify the requirements and resources needed to develop the technology, and establish the prospects of success.

Research and development - for research and development applications, to develop and trial precision medicine technologies. Projects must look to advance precision medicine by guiding treatment decision-making.

Competition opens	**14 May 2018**
Briefing event - London	**31 May 2018**
Application deadline	**11 July 2018 12:00pm**
Applicants notified by	**7 September 2018**

Precision medicine technologies: scope

Feasibility proposals must offer innovative precision medicine technologies that improve the decision-making process for patient treatment selection. These should include project plans that demonstrate you intend to look at areas such as:

- performing initial technical activities
- clarifying the value proposition of the concept
- working with the relevant organisation and groups to develop a clear understanding of the technical, operational, clinical and regulatory requirements, and the adoption challenges for your technology
- determining the requirements of the regulatory and health technology assessment process that would be most relevant to their product or service
- analysing the progress that has already made to produce a clear development plan

Precision medicine technologies: themes

For collaborative research and development proposals you must follow one of these themes:

- rapid and accurate diagnosis of commonly misdiagnosed ailments, to help pick cost-effective therapies that are already on the market, such as B12 supplements for pernicious anaemia
- mental health and precision psychiatry
- paediatric and maternal-foetal medicine
- inflammatory diseases, including psoriasis, respiratory, autoimmune, Crohn's and transplant rejection

As well as meeting one of the 4 specific CR&D themes the project should also fit at least one of our 3 main challenge areas.

- Developing the 'next wave' of diagnostics that will enable early and accurate diagnosis.
- Developing products or services that will help predict adverse drug responses in the clinic.
- Establishing precision medicine clinical trials.

Out of scope projects

You must explain clearly how your proposed technology will advance precision medicine.

In this competition we are not funding projects that:

- do not inform treatment decisions

or focus on:

- drug discovery
- biomarker discover
- diagnostic tests for treatments that are still in development, unless justified as a parallel development, such as a companion diagnostic

Industrial Strategy Challenge Fund (ISCF)

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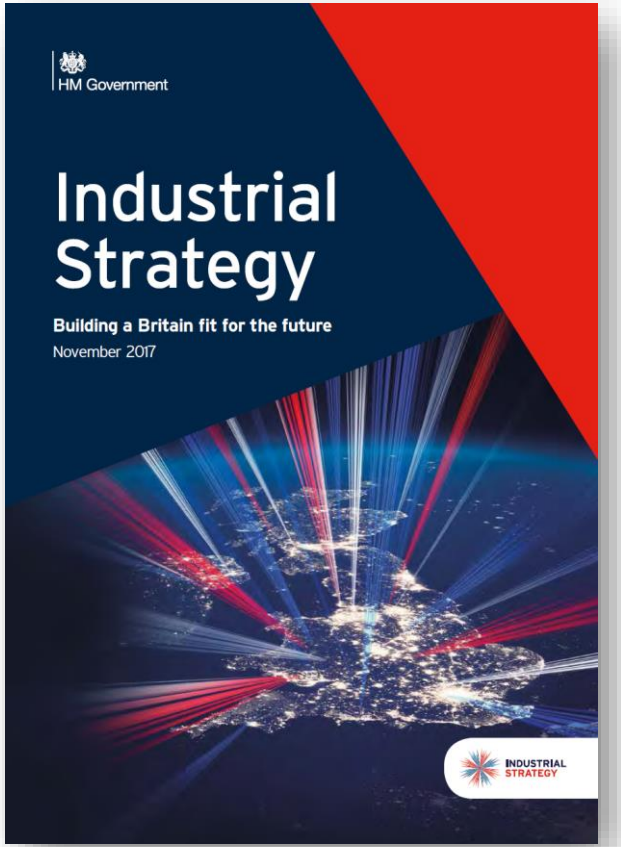


Our five foundations

Ideas
the world's most innovative economy

People
good jobs and greater earning power for all

Infrastructure
a major upgrade to the UK's infrastructure

Business Environment
the best place to start and grow a business

Places
prosperous communities across the UK

AI & Data Economy
We will put the UK at the forefront of the artificial intelligence and data revolution

Future of Mobility
We will become a world leader in the way people, goods and services move

Clean Growth
We will maximise the advantages for UK industry from the global shift to clean growth

Ageing Society
We will harness the power of innovation to help meet the needs of an ageing society

Industrial Strategy - Grand Challenges

The Grand Challenges are an invitation to business, academia and civil society to work together to innovate and develop new technologies and industries in areas of strategic importance to our country.

AI and data economy

Ageing society

Medicines Manufacture
Data to early diagnosis and precision medicine

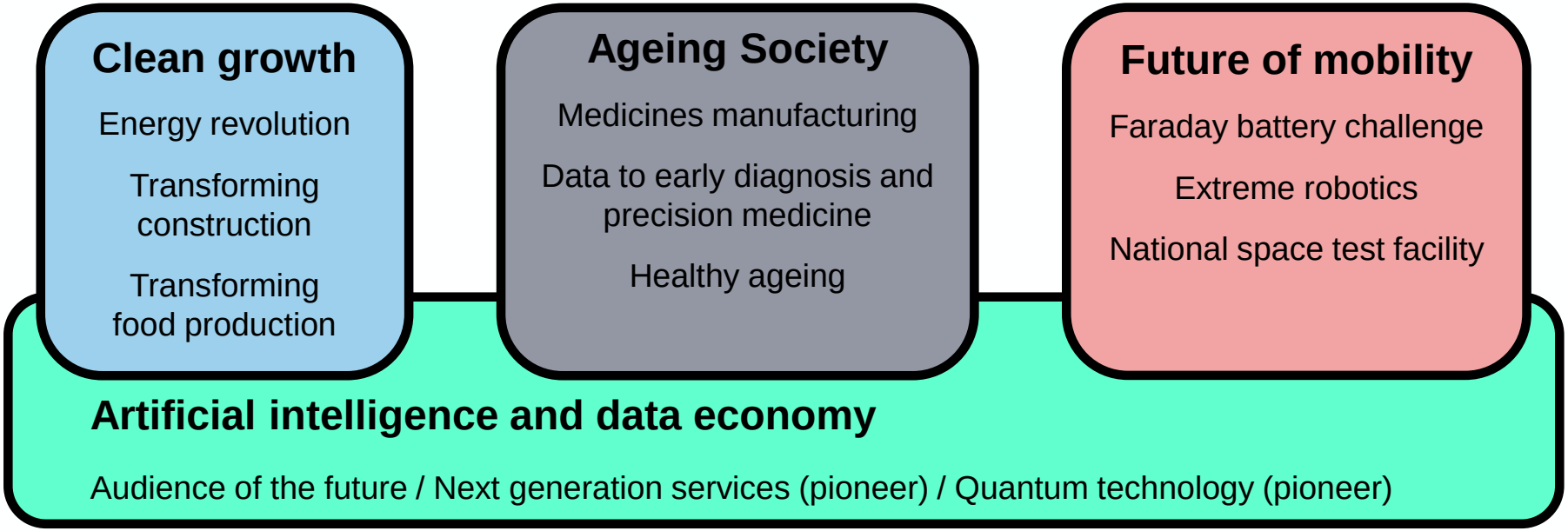
Healthy Ageing

Priority of priorities

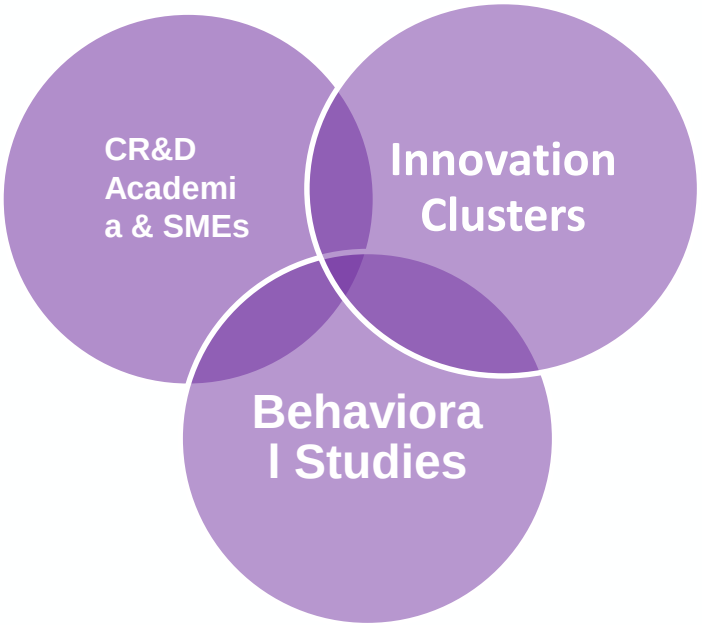
Clean growth

Future of mobility

How the ISCF challenges fit with the Industrial Strategy Grand Challenges



Three elements



Best current thinking….

Innovation Clusters

- Collaboration activity continues through the summer
- Opportunity for us to gain insight
- Out to competition later in the year

Behavioural Studies

- Dependant on the Innovation Cluster time line
- Out to competition later in the year

CR&D Academia and SMEs

- Out later in the year
- Bids in post New year
- Start around the new financial year

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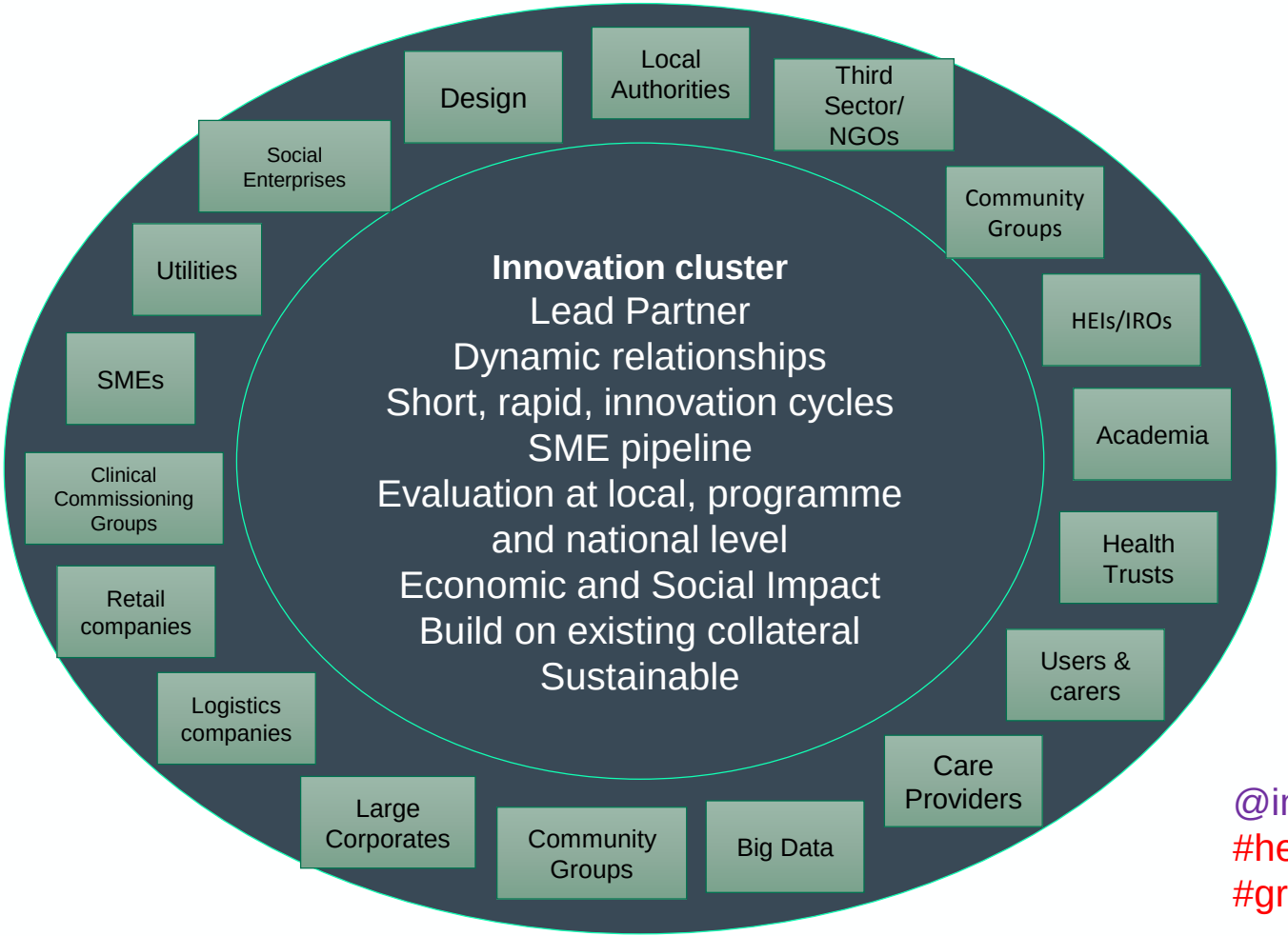
#healthyageing #grandchallenge



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#healthyageing
#grandchallenge

Thank you

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Customer Support Services: support@innovateuk.gov.uk

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