Innovate UK Funding Calls

Edition: May 2017

Innovate UK focuses on thematic areas that are most likely to generate UK economic growth and which address global challenges and opportunities – and on competencies and technologies which enable innovation in these areas.
In making investments they apply four key criteria:

- Is there a large (global) market opportunity?
- Does the UK have the capability to develop and exploit the technology?
- Is the idea 'ready' – is the timing right?
- Can Innovate UK make a difference?

Most of these calls are costed on a total project basis, with the funder then meeting a percentage of that cost. The percentage will depend on a number of factors including the length of the project, the total project cost and the size of the company.

Calls are announced on a regular basis and this document is updated monthly. If you have an idea or a challenge that meets the criteria for funding and where you think the University can help, come and talk to us. You can contact the Business Team at: businessteam@contacts.bham.ac.uk

Further detail for all of the following calls can be found at https://interact.innovateuk.org/

NB: Innovate UK has recently published its delivery plan for 2016 to 2017. The plan highlights 5 programmes that it will support over the coming year, which a number of calls released under each programme. Estimates for when these calls will open are provided below, and information will continue to be updated throughout the year.

To make this document as informative as possible the following colour coding relates to competition deadlines:
Deadlines which have past
Registration/competition deadlines occurring this month
Competitions which are opening shortly
Registration/competition deadlines which occur outside of this month

Emerging and Enabling Technologies

Emerging Technologies finds and proves early stage technologies, often from the research base; Enabling Technologies supports underpinning technologies that have the potential to disrupt a broad swathe of products and services across many sectors

Space Entrepreneurs Mission Award TBC	Expected October 2016

Health and Life Sciences

Innovate UK's Health and Life Sciences sector group has a focus on agriculture and food and healthcare, underpinned by technologies developed in bioscience and medical research and enabled by expertise in engineering and physical sciences

| ***NEW***

Investment Accelerator Pilot
Heath and Life Sciences call budget: £3m | **Scope** This is a **pilot programme** for Innovate UK. It provides simultaneous grant funding and venture capital investment in early stage projects led by UK companies. The aim of this competition is to fund feasibility studies that explore and evaluate the commercial potential of innovative ideas through: **reviewing research evidence** and identifying possible applications **assessing business opportunities** **consolidating the intellectual property** position of their idea **validating initial concepts** or existing demonstrators identifying **areas for further development** This programme will provide 100% of project costs with the aim to: bring private investors into Innovate UK grant-funded companies earlier, giving companies greater confidence that investment will continue after the project funding give management teams more time to run the business rather than continually chasing investment remove the need to find match funding give companies direct access to commercial acumen and market opportunities This competition cover 2 sector schemes Infrastructure Systems and **Health and Life Sciences:** **Health and Life Sciences** **Agrifood** solutions that increase agricultural productivity individualised livestock/aquaculture nutrition, healthcare, novel genetics and breeding improved food quality, sustainability and manufacturing methods **Biosciences** synthetic biology, including gene synthesis and assembly, strain development, parts characterisation and standards computational systems for replicating and predicting biological activity non-healthcare biotechnology technologies to manipulate and characterise microbiomes and other bio-communities, so as to improve human and animal health and wellbeing technologies for the use and management of biofilms **Advanced therapies** **Medical technology** **Digital health**
With the above 3 areas including: proactive management of acute and chronic conditions therapeutic discoveries and developments medical technologies and devices earlier and better detection and diagnosis of disease innovative platform technologies for analysing, screening and optimising potential new medicines original in-vitro, in-vivo and in-silico models that determine the mechanism of action, efficacy or safety of potential new medicines stratification in primary care, the community and the home, including of direct-to-consumer products and medical devices |

	Funding Decisions ▪ Innovate UK has allocated up to £6 million of grant funding for this competition: **£3 million for infrastructure systems** and £3 million for health and life sciences. ▪ It is anticipated that projects will last for 3 to 12 months with total project costs of up to £150,000.
Registration Deadline	**28 June 2017**
Application Deadline	**5 July 2017**

Biomedical Catalyst 2017 round 2 late stage award
Call budget - £11m
	Scope
	▪ The aim of this competition is **to test a well-developed concept** and shows its **effectiveness in a relevant environment**. For example through:
	   o initial human proof-of-concept studies
	   o demonstration of clinical utility and effectiveness
	   o demonstration of safety and efficacy (including phase I and II clinical trials)
	   o developing production mechanisms
	   o prototyping
	   o market testing
	   o intellectual property protection
	
	▪ These solutions should be **innovative healthcare technologies**, products or processes that will help provide one or more of the following:
	   o **disease prevention** and proactive management of health and chronic conditions
	   o earlier and better **detection and diagnosis of disease**, leading to better patient outcomes
	   o **treatments that either change underlying disease** or offer **potential cures**
	
	▪ Innovate UK will support projects from any sector or discipline, including:
	   o stratified healthcare (both therapy and diagnostic components)
	   o advanced therapies (cell and gene therapy)
	   o diagnostics
	   o digital health
	   o enabling medical technologies and devices
	
	▪ All projects are expected to **build on prior credible research** on your technology, product prototype or process. This prior research is likely to have included a demonstration or validation in an appropriate model system.
	▪ Projects which are too early stage will not be funded.
	
	Funding and Decisions
	To lead a project you must:
	
	▪ be a UK-based small or medium-sized enterprise (SME)
	▪ carry out your project in the UK
	▪ work alone or in collaboration with others (businesses, research base and third sector)
	▪ Universities or research and technology organisation can find out more about academic-led applications **here**.
	▪ Projects are expected to be between 12-36 months with total budget costs between £250,000 and £4million

Registration Deadline	31 May 2017
Application Deadline	7 June 2017

Precision medicine programme in South Africa
UK call budget: £1.5m
	Scope
	▪ The aim of this competition is to develop affordable gene-based diagnostic solutions and targeted treatments for one or more of the following health challenges in South Africa:
	   o Diabetes
	   o Cardiovascular disease
	   o Cancer

	○ Child mortality - Projects must be collaborative and include partners from South Africa and consider: ○ The genetic make-up of the South African population ○ The public healthcare system in South Africa - Projects must align with the Official Development Assistance (ODA) criteria. - Projects must focus on industrial research. **Funding and Decisions** - This call is funded by Innovate UK and the South African Medical Research Council (SAMRC) through the UK-South Africa Newton Fund programme. - Innovate UK has allocated up to £1.5 million to fund UK partners (SAMRC will fund project partners in South Africa). - Proposals must be led by a UK-based business and include at least one South African RO or business. South Africa must be the principal market for the project. - Between 70% and 25% of total project costs will funded depending on project type and business size. - Projects are expected to last up to 36 months with total project costs ranging from £300,000 to £500,000.
Registration Deadline	10 May 2017
Call Deadline	17 May 2017

Infrastructure Systems

The Infrastructure Systems sector group covers the major global market opportunities in optimising transport and energy systems and integrating these with other systems such as health and digital in an urban context

NEW
Energy Catalyst round 5
Call budget £13m
	Scope
	▪ The Energy Catalyst competition supports innovators addressing business opportunities created by the global need for clean, affordable and secure energy.
	▪ The aim of the competition is to accelerate the commercialisation of the very best of UK energy innovation.
	▪ Applications may involve any technology, come from any sector and address any business opportunity.
	
	Funding and Deadlines
	▪ DFID, BEIS and EPSRC are co-funding the Energy Catalyst competition, run by Innovate UK.
	▪ £13 has been allocated to fund innovation projects in this competition.
	▪ There are 3 streams available under this competition:
	   o **Early-stage competition (**primarily focused on **technical feasibility):**
	      ❖ UK research organisation working in partnership with any UK business
	      ❖ UK small or medium-sized enterprise (SME) working alone
	      ❖ UK SME working in partnership with any other organisation
	      ❖ Projects to last up to 1 year, with total costs ranging from £50,000 to £300,000.
	      ❖ Between 70%-100% of project costs dependant on business size
	
	   o **Mid-stage competition (**primarily focused on **industrial research):**
	      ❖ UK business working in partnership with any other UK organisation
	      ❖ Projects to last up to 3 years, with total costs ranging from £50,000 to £1.5 million.
	      ❖ Between 70%-100% of project costs dependant on business size
	
	   o **Late-stage competition** (**primarily focused on** experimental development)**:**
	      ❖ UK business working in partnership with any other UK organisation
	      ❖ Between 45%-100% of project costs dependant on business size
	
	▪ Any project application may include international partners. But, international partners will only be eligible to receive funding if the project is relevant to the needs of developing countries and selected for funding by DFID.

Registration Deadline	21 June 2017
Application Deadline	28 June 2017

NEW
Investment Accelerator Pilot
Infrastructure Systems call budget: £3m
	Scope
	▪ This is a **pilot programme** for Innovate UK. It provides simultaneous grant funding and venture capital investment in early stage projects led by UK companies.
	▪ The aim of this competition is to fund feasibility studies that explore and evaluate the commercial potential of innovative ideas through:
	   o **reviewing research evidence** and identifying possible applications
	   o **assessing business opportunities**
	   o **consolidating the intellectual property** position of their idea
	   o **validating initial concepts** or existing demonstrators
	   o identifying **areas for further development**
	▪ This programme will provide 100% of project costs with the aim to:
	   o bring private investors into Innovate UK grant-funded companies earlier, giving companies greater confidence that investment will continue after the project funding

- o give management teams more time to run the business rather than continually chasing investment
- o remove the need to find match funding
- o give companies direct access to commercial acumen and market opportunities

- ▪ This competition cover 2 sector schemes **Infrastructure Systems** and Health and Life Sciences:

Infrastructure Systems
- ▪ **Smart infrastructure**
  - o improve functionality, capacity, productivity, security or whole-life performance
  - o improve resilience and sustainability and reduce the risk of failure
  - o reduce whole-life costs or environmental damage (such as air pollution)
- ▪ **Energy supply and systems**
  - o energy supply solutions, such as carbon abatement
  - o solutions that flexibly match energy supply and demand
  - o solutions that optimise performance across different energy vectors
- ▪ **Connected transport**
  - o innovations that improve network capacity and efficiency and reduce operational cost
  - o better services, flexibility, reliability and safety
  - o systems integration to enable sustainable transport
- ▪ **Urban living**
  - o citizen-centric solutions to challenges experienced in urban environments
  - o urban living solutions that integrate 'hard', 'soft' and/or environmental systems

Funding Decisions
- ▪ Innovate UK has allocated up to £6 million of grant funding for this competition: **£3 million for infrastructure systems** and £3 million for health and life sciences.
- ▪ It is anticipated that projects will last for 3 to 12 months with total project costs of up to £150,000.

Registration Deadline	28 June 2017
Application Deadline	5 July 2017

Accelerating Innovation in Rail: Round 4

Scope
- ▪ The rail industry is transforming how it manages innovation/new technologies. This competition aims to provide direct support and encourage collaboration between the rail industry and innovation businesses.
- ▪ The focus for this competition is on industrial research and proposals must demonstrate how they meet specific industry challenges.

Competition themes
- ▪ **High-value, low –cost railway innovations**: increasing the value of rail services while reducing operational costs and innovations within this theme do not need to be constrained by existing railway standards, but a clear route to market is critical.
  - **This theme includes innovations that:**
    - • see railway tracks and trains as part of an **integrated system** and optimise design to deliver whole-system solutions
    - • adopt ideas and **technologies from other sectors**, such as automotive or aerospace
    - • **integrate with light-rail** and mainline rail to improve reliability and lower costs of vehicles, track or supporting infrastructure
    - • **develop near-to-market innovations** to reduce operating costs for existing or future network and rolling stock. The focus will be on innovations that can be brought to market within 3 years
    - • **reduce lifecycle costs f**or the design of lightweight, energy-efficient rolling stock, railway infrastructure and energy systems

	• help deliver **optimal staffing for a high-value, low-cost railway**
	▪ **Improving customer experience through stations:** By optimising station design this can enhance the performance of the rail network. **This theme includes innovations that:** • **optimise passenger movements** through stations and improve loading and unloading trains • **support passengers' end-to-end journeys**, incorporating more than one transport mode • assist passengers in joining and leaving the rail network by **providing dynamic connecting transport options**, tailored to meet customer demand and preference. • use **smart techniques to manage passenger flows**, either through innovation in station design or operation • **segregate passengers in boarding and alighting** and use techniques to influence behaviour to separate passenger flow • **improve route-planning** or wayfinding technologies to help passengers find directions • **improve real-time journey information** • **influence customer choices** and shape service provision • **understand passengers' journey preferences** to provide real-time, personalised guidance • **help railway operations be more flexible** and respond dynamically to changes in customer attitudes and behaviours • **innovation in gate-lines**, including the removal of physical barriers • assist with **luggage location**, identification and tracking • **enhance catering options**, including enabling pre-ordering, station collection, ordering in transit, or at-seat delivery • **enhance environmental and sensory experiences** (including train and station interiors). **Funding and Decisions** ▪ Projects must be led by a UK-based business of any size and the project must be carried out in the UK ▪ Projects must involve collaborative work and include at least one SME ▪ A total of £4.5 million has been allocated to each of the competition themes. ▪ Project should last between 3 and 12 months with total project costs between £150,000 and £1 million. ▪ This competition is looking to fund industrial research with businesses attracting 50% public funding for project costs (60% to 70% for SMEs).
Competition Briefing	Manchester – 6th April 2017
Registration Deadline	10 May 2017
Application Deadline	17 May 2017
Aerospace Technology Institute (ATI) Strategic Research and Technology Projects Call budget: TBC	**Scope** ▪ Innovate UK acts as the delivery partner for ATI R&D programmes ▪ Innovate UK and ATI are looking for ideas about the broader opportunities that might be offered by the programme, as well as to support long-term planning **Strategic themes:** ○ **aircraft of the future**: Strengthening the UK's whole-aircraft design and system integration capability, positioning it for future generations of civil aircraft ○ **smart, connected and more electric aircraft**: Developing UK advanced systems technologies to capture high-value opportunities in current and future aircraft ○ **aerostructures of the future**: Ensuring the UK is a global leader in the development of large complex structures, particularly wings ○ **propulsion of the future**: Advancing a new generation of more efficient propulsion technologies, particularly within large turbofan **Funding and deadlines** ▪ Projects may focus on industrial research or experimental development.
Competition deadline	The programme is open to suggestions through to 31st March 2020

Future Cities mission *Anticipated Call budget:* *£60,000*	**Launch of the Future Cities Dialogue - 21st March at Future Cities Catapult** **Why attend?** For cities to get smarter, systems must become integrated. The impact this integration has on our lives is vast and could evolve in a number of ways. It is up to us to determine the type of city we want to live in. Produced in partnership with Forum for the Future and Ipsos Mori, our report aims to provide 3 future scenarios of how we live in the cities of the future. By engaging in these discussions now, you can play an active role. Hear from inspirational speakers and get a first-look into how urban living will be shaped in the future. **Speakers include** James Taplin, Innovate UK Sam Markey, Future Cities Catapult James Goodman, Forum for the Future Martin McDonnell, Soluis Sophie Thomas, Thomas.Matthews
BIM Level 3 digital challenges for energy utilities and transport infrastructure contractors *Anticipated Call budget:* *£10,000*	Expected soon

Questions? Contact the Business Team at businessteam@contacts.bham.ac.uk, Tel: 0121 414 5070

Manufacturing and Materials

Focuses on the development, validation and application of cross-cutting manufacturing and materials technologies and processes to drive productivity and growth

NEW
Manufacturing and Materials Round 3
Call budget - £15m
	Scope
	• Innovate UK is to invest up to £15 million in innovation projects in manufacturing and/or materials.
	• Funding will be awarded to projects that focus on identified technical or commercial challenges and projects **must focus on manufacturing of materials innovation**, rather than a product innovation.
	• These should lead to increased productivity, competitiveness and growth for UK small and medium-sized enterprises (SMEs).
	• Projects must focus on one of the following:
	   ○ **innovation in a manufacturing system, technology, process or business model**
	   ○ **innovation in materials development, properties, integration or reuse**
	• For this competition, materials include but are not limited to:
	   ○ **nano-materials**
	   ○ **ceramics**
	   ○ **metals and inter-metallics**
	   ○ **polymers**
	   ○ **composites**
	   ○ **coatings**
	   ○ **smart materials**
	   ○ **joining of dissimilar materials**
	
	Funding and Deadlines
	• Projects are expected to range in size from total costs of £50,000 to £2 million and should last between 6 months and 3 years.
	• Projects must be led by a business or RTO and involve at least one SME, working alone or in collaboration with other organisations.
	• Projects longer than 12 months or with costs of £100,000 or more must involve working with other partners.
	• Between 70% and 25% of total project costs will funded depending on project type and business size.
	
	A briefing event was held in London on the 8th May - notes and briefing information will be available shortly. For this information contact: n.z.kopecky@bham.ac.uk

Competition Opens	8 May 2017
Registration Deadline	5 July 2017
Application Deadline	12 July
Connected and autonomous vehicles test bed *Call budget: £55m*	**Scope** ▪ The aim of this competition is to create the world's most effective connected and autonomous vehicle (CAV) testing ecosystem by creating a number of distinct test capabilities. **Competition Streams** ▪ Stream 1 - 1 to 2 **public test environments** in an urban and/or highly dense city location. ▪ Stream 2 - a c**ontrolled test facility representative of an urban and/or city environment**. ▪ Stream 3 - a **realistic, controlled high-speed, limit-handling environment**. **Test Facility**

For all streams the anticipation is to fund globally significant projects that allow for:

- testing of autonomous vehicles (AVs) in an appropriate and realistic environment
- testing V2X connectivity capabilities and methodologies
- testing of equipment that may interact with CAVs, for example, roadside infrastructure
- The **location for test facilities** is a defined area that covers part of the West Midlands through to the south-east. It starts from the north-west of Leicester down to Basildon, across to the south of Guildford, then up to the north-west of Worcester and back to the north-west of Leicester.

Funding and Decisions

- A business or a research organisation must lead the project
- Organisations must work with others, but consortia should contain no more than 5 partners (lead organisation plus 4 others).

Funding support available:

- up to 50% of eligible project costs if you are a business of any size
- up to 100% of eligible project costs if you are a non-profit distributing research organisation. In this case, you must demonstrate how the match funding for investment in the facility will be contributed after the project. This must be a minimum of the grant value requested and might include areas such as maintenance costs, tracking the use of assets, and so on

It is expected projects will have:

- at least a 30% industry contribution to the initial investment
- at least a 50% industry contribution to the lifetime costs of the facility

Competition Opens	3 April 2017
Registration Deadline	12 July 2017
Application Deadline	19 July 2017
Manufacturing Readiness competition *Anticipated call budget: £2 million*	Expected soon

Open programme

Accessible to all businesses and academics undertaking innovation, irrespective of the technology or sector in which they are working

[Knowledge Transfer Partnerships](#)
Funding available throughout the year
	Scope
	▪ KTPs offer businesses the opportunity to work in partnership with a University to obtain knowledge and expertise. Projects are designed to meet business challenges and embed sustainable innovation
	▪ The knowledge sought is embedded into the company through a project undertaken by a recently qualified gradate (known as the KTP associate) recruited specifically to work on that project
	▪ *NB: Innovate UK is particular interested in applications related to cyber security*
	
	Funding and deadlines
	▪ Innovate UK part-funds the KTP. SMEs contribute 33% of the project costs, and larger companies contribute 50%
	▪ Deadlines now align with the main Innovate UK call deadline.
	Deadlines for 2017/2018 are as follows:
	   o Health and Life Sciences – ~~12 April 2017~~ and 6 December 2017
	   o Emerging and Enabling Technologies – ~~10 May 2017~~ and 8 November 2017
	   o Manufacturing Materials – 12 July 2017 and 17 January 2018
	   o Open – 9 August 2017 and 7 February 2017
	   o Infrastructure Systems – 13 September 2017 and 14 March 2018
	
	▪ Be sure to follow @UniBham_KTP on Twitter for regular updates on UoB KTPs

Growth and scale competition Call budget: £2 million	Expected soon

Other funding calls

Other funding opportunities including SBRI and Catapult funding

NEW **[Jiangsu-UK industrial challenge programme](#)** *UK Call budget: £5m*	**Scope** ▪ The aim of this competition is to stimulate economic growth in China (specifically Jiangsu province) and the UK through business-led innovation. ▪ Innovations should draw on the capabilities in both countries to address the industrial opportunities and challenges that will shape the markets of the future. **Competition themes:** **Open priority** ▪ Open to transformational or disruptive innovations leading to new products, processes or services drawn from any technology, engineering or industrial area. **Infrastructure systems priorities** ▪ **urban systems**: solutions that improve the quality of life and infrastructure users' experience in urban areas. ▪ **energy systems**: matching energy supply and demand, improving affordability,

security and value proposition
- **connected transport**: balancing transport infrastructure and vehicles at peak demand, connecting people and goods, optimising transport network efficiencies.

Funding and Deadlines
- Innovate UK will not fund project which are not led by a UK business and the Jiangsu Science and Technology Department will not fund projects led by anyone other than a Jiangsu-based business.
- In the UK the lead applicant can be either a registered business or academic or research entity and all projects must involve at least one UK business and one business from Jiangsu province.
- In the UK, projects are expected to last up 24 months with a maximum project budget of £500,000.
- Between 70% and 25% of total project costs will funded depending on project type and business size.

Registration Deadline	21 June 2017
Application Deadline	28 June 2017

NEW
Shanghai-UK industrial challenge programme

Scope
- The aim of this competition is to stimulate economic growth in China (specifically Shanghai municipality) and in the UK through business-led innovation.
- Innovations should draw on the capabilities in both countries to address the industrial opportunities and challenges that will shape the markets of the future.

Competition themes:
Open priority
- Open to transformational or disruptive innovations leading to novel, new products, processes or services.

Future cities
- Rapid urbanisation, demographic and social change, resource scarcity and climate change put significant pressures on city systems, services and on citizens.
  - **Digitally-enabled city**: smart infrastructure and digital connectivity solutions
  - **Resilient city**: innovation improving climate resilience and environmental sustainability, in particular with respect to heat island effect, flooding, air and noise pollution.
  - **Wellbeing city**: technological and social innovations to support and promote well-being and active and healthy lifestyles.

Funding and Deadlines
- Innovate UK will not fund project which are not led by a UK business and the Science Technology Commission of Shanghai Municipality will only fund eligible partners from Shanghai.
- All projects must involve at least one UK business and one business from Shanghai. The projects must be business led on both the UK and Chinese sides.
- In the UK, projects are expected to last up 36 months with a maximum project budget of £500,000.
- Between 70% and 25% of total project costs will funded depending on project type and business size.

Registration Deadline	21 June 2017
Application Deadline	28 June 2017

NEW
Autonomous supply to military front line

Scope
- The Ministry of Defence is to invest in projects that look at ways of using autonomous systems in the 'last mile' of the supply chain to front-line military operations.

	▪ The competition is for fully funded contracts under **SBRI** (Small Business Research Initiative). **The challenge areas** This funding competition is particularly looking for solutions in 3 challenge areas: ▪ unmanned air and ground load-carrying platforms ▪ technologies and systems that allow load-carrying platforms to operate autonomously ▪ technologies to autonomously predict, plan, track and optimise re-supply demands from military users. **Funding and Deadlines** ▪ Phase 1 contracts are likely to be worth between £40,000 and £80,000 and last up to 6 months
Application Deadline	21 June 2017

NEW
UK-Malaysia urban innovation challenge 2017
UK budget: £3m
	Scope
	▪ The aim of this competition is to fund collaborative technological solutions that address one or more of the challenges listed below.
	▪ Projects and their outcomes must fit with the official development assistance (ODA) criteria. This aims to boost economic development and have a positive social or environmental effect on the wider Malaysian society.
	
	▪ **Challenge 1: Urban Mobility**
	  o improving public transport services
	  o increasing use of public transport
	  o enhancing the user experience through public service integration
	Solutions to these issues should fit on of the following areas:
	  o data and systems integration
	  o service delivery
	  o first-mile/last-mile connectivity between transport nodes/homes
	  o multi-modal transport connectivity
	
	▪ **Challenge 2: Urban Waste**
	  o new affordable processes to recover, separate or extract valuable components from urban household or commercial waste streams
	  o new affordable processes to recover, separate or extract valuable components from urban household or commercial waste streams
	
	▪ **Challenge 3: Urban Water Management**
	  o non-revenue water (water lost in the distribution system before reaching consumers)
	  o urban flooding
	Solutions to these issues should fit on of the following areas:
	  o water leak non-intrusive detection and management
	  o municipal flash flood detection
	  o urban flood response systems
	
	Funding and Decisions
	▪ This competition is part of the UK–Malaysia Newton-Ungku Omar Fund.
	▪ Between 70% and 25% of total project costs will funded depending on project type and business size.
	▪ Projects are expected to last 2-years with total project costs of between £300,000 to £500,000 on the UK side.

Registration Deadline	30 August 2017
Application Deadline	6 September 2017
NEW **Innovation in cycling and walking**	**Scope** ▪ The cycling and walking investment strategy sets out the Department for Transport's (DfT) ambitions for increasing the number of journeys and journey stages made on foot or by bicycle.

Specific competition themes

- **Cycling:**
  - making it easier for people to cycle to work
  - improving the image of cycling so more people incorporate into their daily routines
  - Improving road safety and helping people, particularly teenagers and women, feel safer.
  - making it easier to undertake journeys that include both cycling and travelling by rail
- **Walking**
  - increasing walking among target groups, including those aged between 30 and 49, and over 60
  - improving actual and perceived road safety for pedestrians through safer crossings, increased personal safety and design of objects and equipment installed on streets (street furniture)
  - using open source data to encourage walking as part of a longer trip involving public transport

Funding and Deadlines

- This competition has 2 phases. Up to £170,000 is allocated for phase 1, and up to £300,000 for phase 2.
  - phase 1: proof of concept. Projects should last up to 15 weeks and range in size up to a total cost of £25,000 each
  - phase 2: demonstrator projects. Projects should last up to 9 months. They can range in size up to a total cost of £100,000 per project
- This is an open competition run as a Small Research Business Initiative (SBRI). DfT is looking to fund a portfolio of projects that propose innovative means of tackling the barriers to walking and cycling, leading to more journey stages being made by bicycle or on foot.

Registration Deadline	7 June 2017
Application Deadline	14 June 2017

Design foundations competition 2017 round 2

Scope

- This competition seeks to stimulate high-quality, human-centred design activities at the earliest stages of the innovation journey.
- To be in scope for this competition, projects must follow an appropriate early-stage design process, such as the 'double-diamond' process. This should include phases of work to:
  - understand the articulated and unarticulated needs of customers
  - generate a broad range of new ideas in response to those needs
  - quickly validate the desirability and usability of ideas
  - repeatedly filter and refine ideas to pinpoint the most promising solutions for further development
- Projects must be human-centred rather than technology-led
- Within this competition Innovate UK are seeking applications that:
  - include the necessary experience and expertise to carry out early-stage, human-centred design processes to a very high standard
  - demonstrate how the project structure and organisational processes and culture will allow new ideas to flourish, or include activities to create such conditions
  - include planning and support for next steps, such as the creation of materials for investment pitches, follow-on funding applications or development roadmaps

Funding and Deadlines

- £1 million has been allocated to fund this competition
- Projects must not last longer than 6-months and all projects must be completed by 31 May 2018.
- Projects should cost between £10,000 and £60,000 and between 50%-70% of

	project costs will be funded depending on business size. • Projects must be led by a UK-based business of any size
Competition opens	8 May 2017
Registration Deadline	14 June 2017
Application Deadline	21 June 2017

Cancer innovation challenge in Scotland
Call budget: £325,000
	Scope
	▪ This is a <u>Small Business Research Initiative</u> (SBRI) competition. The <u>Data Lab</u> - funded by the <u>Scottish Funding Council</u> - <u>DHI Scotland</u> and <u>Stratified Medicine Scotland</u> are funding this competition.
	▪ Up to £325,000 is available to fund the **development of innovative technologies** that find new ways of **integrating data into Scotland-wide healthcare processes**. The aim is to improve patient care.
	
	Funding and Deadlines
	▪ This competition has 2 phases. Up to £125,000 (including VAT) is available for phase 1, and up to £200,000 (including VAT) for Phase 2:
	  o Phase 1: technical feasibility. Projects should last up to 3 months and range in size up to a total cost of £25,000
	  o Phase 2: development and evaluation. Projects should last up to 6 months and range in size up to a total cost of £100,000

Registration Deadline	15 May 2017
Application Deadline	29 May 2017
Clinical decision support in emergency care *Call budget: £55,000*	**Scope** ▪ The aim of this competition is to develop innovative data analytics that will enable clinicians to make informed, safe and timely decisions. Improved provision of critical data should enable early decision-making on treatment and disposition. It should enhance patient flow, satisfaction and, potentially, outcomes ▪ The clinical focus is the management of chronic obstructive pulmonary disease (COPD) for patients in emergency care departments. **Funding and Deadlines** <u>NHS Scotland</u> and the <u>Scottish Government</u> have allocated up to £55,000 to fund innovation projects in this competition. This is divided across 2 phases: • up to £10,000 is for phase 1 • up to £45,000 is for phase 2 To lead a project, you must: • be an organisation of any size • work alone or in collaboration with others (businesses, research base and third sector)
Registration Deadline	31 May 2017
Phase 1 Application Deadline	7 June 2017

Technology to improve IBD care and management
Call budget: £400,000
	Scope
	▪ The aim of this competition is to identify and fund innovative technology that enables personalised care, better education and remote monitoring for people living with inflammatory bowel disease (IBD).
	▪ The competition is particularly looking for solutions that:
	  o improve patient experience and outcomes for people living in **Scotland** with an **IBD diagnosis**
	  o can be applied to other medical conditions
	
	▪ The funders are also looking for innovative digital solutions that include:
	  o enabling citizens to better manage their IBD through better lifestyle and prevention or early intervention approaches, combined with enhanced medication and treatment compliance
	  o empowering individuals, promoting independence and helping people to be more involved in decisions about their care

	- Innovations should result in at least one of these outcomes
	    ○ an increase in the use of self-management enabled technologies
	    ○ a reduction in the number of routine return appointments, establishing patient-initiated review
	    ○ a reduction in the number of emergency hospital admissions
	
	Funding and deadlines
	- NHS Scotland, in conjunction with Highlands and Islands Enterprise and Scottish government, have allocated up to £400,000 to fund innovation projects in this competition.
	
	This is divided across 3 phases:
	- up to £75,000 is for phase 1 – feasibility studies
	- up to £135,000 is for phase 2 – for applicants successful at Phase 1
	- up to £150,000 is for phase 3 – for applicants successful at Phase 2
	
	- Projects must be led by an organisation (of any size) and can be completed alone or in collaboration with business, research base and third sector partners.

Registration Deadline	10 May 2017
Phase 1 Application Deadline	17 May 2017