



Innovation Funding
Opportunities
PLG, Glasgow, June 4th 2019
Julian Heaton
Innovation Lead, Electronics,
Sensors and Photonics

Innovate UK

Innovate UK is part of
UK Research and Innovation

ElecTech Report



- Long process of info gathering, consultation
- Final editing round concluded
- Now working on graphic design element
- Publication expected early July
- Seeking promotion from Photonics APPG

Innovate UK Funding Opportunities – Current and forthcoming

<https://apply-for-innovation-funding.service.gov.uk/competition>

Search ‘Apply innovation funding’

EUREKA Collaborative R&D – Photonics for Advanced Manufacturing (up to Eur 2 M)



- To fund collaborative projects conducting predominantly industrial research with partners from:
 - Austria, France, Germany, Israel, Poland, Switzerland and UK
 - **Minimum condition:** at least two independent organisations from at least two of the above 7 countries
 - Single stage submission – EUREKA Project Form [and](#) Innovate UK Application Template
- Conditions for project proposals with UK Participation
 - must include at least one UK-based SME
 - UK-based businesses of any size can lead on a project proposal
 - UK-based Universities and RTOs may participate but cannot lead; can share up to 30% of the UK total costs
- Focus on photonic technologies for advanced manufacturing
 - Technologies and innovations aiming to improve manufacturing processes and/or products
 - **Photonic technologies (non-exhaustive):** laser machining; additive manufacturing, photonic curing; optical process control, 3D optical sensing and imaging including spectral and hyperspectral imaging, LIDAR, photo- stereo- or laser-based lithography, ...
 - **Industry sectors (non-exhaustive):** electronic and computer components; electro-mechanical engineering; transportation and automotive manufacturing (incl. sport competition); aviation/aerospace; materials; chemical and pharmaceutical industries, ...
- **Competition opens:** Monday 25 March 2019
- **Registration closes:** Monday 15 July 2019

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<https://apply-for-innovation-funding.service.gov.uk/competition/335/overview>

Innovate UK Smart Grants (up to £20 M)



- Proposals must demonstrate:
 - a clear game-changing, innovative and/or disruptive and ambitious idea leading to new products, processes or services
 - an idea that is significantly ahead of others in the field, set for rapid commercialisation, with a strong and deliverable business plan that addresses (and documents) market potential and needs
 - a clear, evidence based plan to deliver significant economic impact, return on investment (ROI) and growth through commercialisation, as soon as possible after project completion
- Applications can come from any area of technology (including arts, design, media or creative industries), science or engineering and be applied to any part of the economy
- From feasibility (including market research), through to technology or prototype testing and development stages up to (but not including) commercialisation
- **Competition opens:** Friday 26 April 2019
- **Competition closes:** Wednesday 24 July 2019 12:00pm
- **Project category 1:** 6-18 months and £25k to £500k – single entity (SME only) or collaborative
- **Project category 2:** 19-36 months and £25k to £2M – must be collaborative

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<https://apply-for-innovation-funding.service.gov.uk/competition/346/overview>

SME support to evaluate innovative medical technologies: Round 4



- Aimed at SMEs that have developed and manufactured innovative medical devices, diagnostics or regulated digital healthcare products.
- Product must have CE marking, and be already be available for the NHS to purchase, but not marketed in the UK for more than 5 years.
- The competition will support the development or design of plans for the collection of clinical data in a real-world setting, and also support the running of these studies.
- Project must: Focus on understanding evidence gaps and testing product performance to explain the operational impact of your product on the NHS. Add data to the evidence base that can contribute to the health technology appraisal process. Involve potential breakthrough technologies. Help improve methods and systems.
- Specific themes (non exhaustive): ageing well, cancer, digital transformation, learning disabilities and autism, mental health, personalised care, prevention, primary care, starting well, stroke, workforce
- **Competition opens: Tuesday 23 April 2019**
- **Competition closes: Wednesday 3 July 2019 12:00pm**
- **Option 1: total project costs up to £50,000:** Support for SMEs to develop detailed and feasible plans for the collection of relevant data in a clinical setting.
- **Option 2: total project costs up to £250,000:** Support for SMEs to collect and analyse real world data that helps evaluate the impact of a product.

June expression of interest: ATI Programme



- The Aerospace Technology Institute (ATI) Programme provides grant funding to industrial research and capital projects to encourage innovation in UK civil aerospace.
- To lead a project or work alone you must:
 - be a UK based business of any size for research projects
 - be a UK based business of any size, a research and technology organisation (RTO) or academic organisation for capital investment projects
 - carry out your aerospace research or technology development project work in the UK
 - intend to exploit the results from or in the UK
 - address the specific requirements of the UK Aerospace Technology Strategy
 - Includes lightweight structures and through life inspection
 - sign up to the ATI framework agreement
- This is an expression of interest competition. You must have a successful application in this competition before you can be invited to apply to the full stage competition. 4 stages, 6 month process.
- **Competition opens: Monday 3 June 2019**
- **Competition closes: Wednesday 19 June 2019**

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<https://apply-for-innovation-funding.service.gov.uk/competition/366/overview>

UK Research and Innovation strength in places fund: wave 2 EoI



- Consortia of UK businesses and publicly funded research organisations can apply for between £10 million and £50 million per full stage application. Consortia will set out plans for large collaborative proposals.
- Consortia of UK businesses and research organisations can apply for ‘seed corn’ funding of up to £50,000 to develop full applications for wave 2 of the UKRI Strength in Places Fund.
- Projects must be collaborative and led by either a UK based business or a UK publicly funded research organisation.
- Your application must build on your partners’ existing research and innovation capability and present a valid plan of new research and innovation activities. These must have a clear pathway to delivering a significant positive impact on economic growth within the defined economic geography.
- All consortium members should be based within the project’s geographical area and have the support of local civic leadership.
- **Competition opens: Monday 3 June 2019**
- **Competition closes: Wednesday 9 October 2019**
- Applicants notified: 1 June 2020
- Expected full stage open date: 6 July 2020
- Expected full stage close date: 9 December 2020

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<https://apply-for-innovation-funding.service.gov.uk/competition/370/overview>

UK and USA: innovation in global composites markets



- UK businesses can apply for a share of up to £1.7 million to develop innovative technologies for global composites markets with US partners.
- **Details of specific themes on website link, include Development of Non-destructive Evaluation/Non-destructive Testing (NDE/NDT) Tools for High-Volume, High-Speed Inspection of CFRP Structures in Automotive Manufacturing (3.13)**
- To lead a project UK applicants must be one of the following, and involve the other as collaborator:
 - a UK business of any size
 - a UK research and technology organisation (RTO) or UK university
- Innovate UK and IACMI have developed a portfolio of composite manufacturing technology priority areas. These are relevant to the UK and the USA. IACMI has selected a number of existing projects that reflect this portfolio. UK organisations are invited to apply to collaborate with these projects.
- Your project must show a clear game-changing and/or disruptive innovative idea leading to new products, processes or services
- **Competition opens: Wednesday 29 May 2019**
- **Competition closes: Wednesday 21st August 2019**

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<https://apply-for-innovation-funding.service.gov.uk/competition/367/overview>

Immersive Technology Investment Accelerator: phase 2, SME projects



- UK businesses doing R&D in immersive technology can apply for a share of up to £2 million grant funding alongside private equity investment. The grant funding is from the Industrial Strategy Challenge Fund.
- Non-collaborative projects, single SMEs only:
 - UK-based micro, small or medium-sized enterprise (SME) in immersive technology
 - carry out your research and development (R&D) activity in the UK
 - **You must also secure and commit to private investment from one of the investor partners listed in the supporting information section**
- Eligible SMEs can be:
 - producing immersive content
 - delivering new immersive products, software and services
 - developing new immersive platforms, hardware or devices
- We expect businesses who apply to this competition to be prepared for investment.
- **Competition opens: Monday 20th May 2019**
- **Competition closes: Wednesday 3rd July 2019**

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<https://apply-for-innovation-funding.service.gov.uk/competition/354/overview>

APC 13: advancing the UK's low carbon automotive capability



- £25 million of collaborative (match) funding is available for UK-developed late stage R&D, to support growth in advanced low carbon propulsion capability in the automotive sector.
- To lead a project you must:
 - be a UK based business
 - base your project in the UK
 - work in collaboration with at least one [micro, small or medium-sized enterprise](#) (SME)
 - include a vehicle manufacturer or tier 1 supplier
- The project must be directly focused on or relate to one or more of the following strategic technology themes. You must determine which technology or technologies best represent your project:
 - alternative propulsion systems
 - electric machines and power electronics
 - energy storage and energy management
 - **lightweight vehicle and powertrain structures**
 - thermal propulsion systems that deliver substantial improvements
- **Competition opens: Monday 13th May 2019**
- **Competition closes: Wednesday 10th July 2019**

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<https://apply-for-innovation-funding.service.gov.uk/competition/362/overview>

THANK YOU

Wave 1 Challenges (c. £1b)



**Leading-Edge
Healthcare
Challenge**
(including
Medicines Mfg)
up to £188m



**Faraday
Battery
Challenge**
up to £246m



**Robotics and
AI in extreme
environments
Challenge**
up to £93m



**Next Gen.
Affordable
Lightweight
Materials Mfg**
up to £26m



**Autonomous
Vehicles**
up to £38m



**National
Satellite Test
Facility**
up to £99m

Underpinning UKRI investments (Wave 1a) up to £283m

Wave 2 Challenges (up to £729.5m)



**Audience of the future
(up to £33m)**



**Data to early diagnosis
and precision medicine
(up to £196m)**



**Prospering from the
energy revolution
(up to £102.5m)**



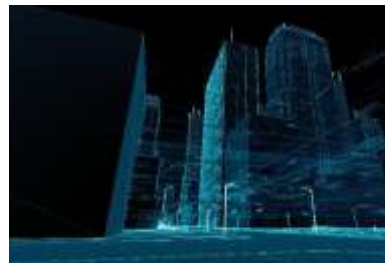
**Healthy ageing
(up to £98m)**



**Next generation services
(up to £20m)**



**Quantum technology
(up to £20m)**



**Transforming construction
(up to £170m)**



**Transforming food
production (up to £90m)**



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Wave 3 Challenge Shortlist

Subject to business case and successful negotiation



<https://innovateuk.blog.gov.uk/2019/02/05/industrial-strategy-challenge-fund-wave-3-shortlist/>

Industrial Strategy Grand Challenge	ISCF wave 3 challenge
AI and data	Commercialising quantum technologies (up to £70m*) Digital security by design (up to £70m)
Ageing society	Accelerating detection of disease (up to £79m)
Clean growth	Industrial decarbonisation (up to £170m) Manufacturing made smarter (up to £121m*) Smart sustainable plastic packaging (up to £60m) Transforming foundation industries (up to £66m)
Future of mobility	Driving the electric revolution (up to £78m*) Future flight (up to £125m)

* 3 year profiles were announced at Budget 2018 for these challenges as per current spending review period.



Industrial Strategy White Paper

Formation of UK Research and Innovation

Budget 2018



Wave 1 challenge competitions Scaling wave 1 challenges

Announce wave 2 Wave 2 challenge competitions

Wave 3 EOI process Wave 3 challenge development/shortlisting Wave 3 industry negotiations

Recruit Challenge Directors: (waves 1 and 2)



Scaling wave 1 challenges

Wave 2 challenge competitions Scaling wave 2 challenges

Wave 3 industry negotiations/outcomes Wave 3 delivery

Recruit Challenge Directors (waves 2 and 3)