



STFC Funding Opportunities

Phillip Tait
External Innovations – STFC

9th July 2013

External Innovations

- Provide funding for Academia and Industry to collaborate
- Provide support to apply for funding for Innovation
- Provide opportunities to find partners / ideas / technologies



Follow-On Funding

To establish commercial feasibility on scientific and technical merit

- Proof of concept funding
- Undertaking further scientific and technical development of an idea
- Improving an IP position
- Market assessment for new products or process
- Identifying potential licensees or opportunities for joint ventures.
- Up to 12 months, projects up to £110k, 3 calls/year
- **Not in partnership with industry**



Innovation Partnership Schemes (IPS)

Transfer technology and expertise to the marketplace in partnership with industry

Collaboration

- With industry or another academic discipline
- Project supported by industry (cash or contribution in kind)
- Industry can receive cash support (state aid conditions apply)

Range of activity

- Feasibility studies to prototyping
 - Route to market must be clear
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- 3 calls a year, decisions 12 weeks after each closing date
 - Funds up to 3 year projects at £150k pa

www.stfc.ac.uk/ips



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Challenge Led Applied Systems Programme (CLASP)

Applies STFC research to global research challenges

- Two stage application process
- Short technical outline should include impact, timescales, markets and work plan

Shortlisted applicants:

- Develop full proposals with advice from CLASP Panel members
 - Required to present their final proposals to Panel
- £1.5M funding available per call (annual call)
 - Industry can offer in-kind support or as a subcontractor for key tasks
 - Funded calls in Healthcare 2010, Security 2011, Environment 2012
 - 2013 is Energy

www.stfc.ac.uk/clasp



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CLASP Environment – Funded Projects

Prof I. Thompson (Oxford), **Mr P. McIntosh** (STFC Labs) & **Dr T. Scott** (Bristol)

Development of a hybrid technology for treating recalcitrant water contaminants: assessing e-beam potential.

Dr G. Ferrier (Hull) & **Dr H. Mortimer** (STFC Labs)

Development of a low cost, field portable, Imaging Fourier Transform Interferometer for gas leak detection in the Petrochemical industry

Dr R. Thomson (Heriot-Watt), **Dr T. Binks** (Bath) & **Dr R. Henderson** (Edinburgh)

Development of an Instrument for Rapidly Detecting Cryptosporidium in Drinking Water

Prof A. Lawrence (Edinburgh) & **Dr A. Grainger** (Leeds)

Utilizing Virtual Observatory Technology to Improve the Frequency and Coverage of Tropical Forest Monitoring (ASTROTROP)

Dr A. Cross (Strathclyde) & **Dr G. Smith** (St Andrews)

Novel Gyro-TWA Amplifier for High Power mm-wave Radar Remote Sensing

Dr P. Scholefield (NERC Centre for Ecology & Hydrology) & **Dr H. Mortimer** (STFC Labs)

Development of a UV Miniaturised Fourier Transform Spectrometer (MicroFTS) for the Detection of Dissolved Organic Carbon in Water

Prof J. Moncrieff (Edinburgh), **Mr D. Henry** (UK ATC) & **Dr J. Thompson** (NERC Centre for Ecology & Hydrology)

A Differential Absorption LiDAR for Measurement of Greenhouse Gases



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CLASP Energy Priority Areas (2013)

- Energy Storage
- Nuclear Energy
- Future Energy Grids
- Energy Materials
- Sensing and Monitoring
- Outlines by 10th September

www.stfc.ac.uk/clasp



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IPS Fellowships

Support a Knowledge Exchange role to exploit STFC-funded technologies

Not a research fellowship

- Promoting commercial exploitation and transferring the technologies developed from STFC funding
- Developing capacity for knowledge exchange
- Transferring technologies to Industry and other academic disciplines
- STFC contribute 50% of costs
- Host institution eligible for STFC grant funding

www.stfc.ac.uk/ipsfellowships



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Knowledge Transfer Partnerships (KTP)

Collaborative project between business and knowledge base

- Developing new products or processes
- Improving existing products or processes

KTP Associate employed to enable:

- Business to increase profitability and embed knowledge
- Knowledge base to transfer research to users
- Opportunity for post-graduates to bridge the gap to industry

- Projects last 1 – 3 years
- Programme run by TSB, sponsored by STFC + others
- Support available during application

www.ktponline.org.uk to find local KTP adviser



RSE Enterprise Fellowships

Support to an individual to commercialise STFC funded research

- A year's salary to develop your commercial proposition
- Business training to help you to prepare a viable business plan
- Access to networks of mentors, business experts
- Must have link to STFC funded science
- Spin out companies formed with help from Fellows
 - Cella Energy (STFC)
 - KEIT (STFC)
 - IKinema (Surrey)



STFC CASE Studentships

Provide support for PhD students in collaboration with an industrial partner

- Collaborative training projects delivering research of value to the company
- Knowledge exchange between commercial collaborators and academic research groups - not just access to data, samples and equipment
- Development of key research skills needed by UK industry
- Enhanced training experience for students through spending time in different research environments
- A minimum of three months spent in collaborating industry



STFC Innovations Club

Promotes opportunities for Knowledge Exchange

- Runs a very active programme of workshops and events for the benefit of academics, industrialists and other interested research and technology organisations
- Events are free
- Aimed at companies and academics to learn about recent developments and encourage collaboration, while promoting funding opportunities
- Monthly newsletter

www.stfc.ac.uk/innovationsclub



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Further Investments to Catalyse Innovation

- TSB Collaborative R&D calls
- Sponsorship of Electronics Sensors & Photonics (ESP) Knowledge Transfer Network (KTN)
- Membership of PraxisUnico and AURIL, supporting the KE community
- Tenders opportunities Alert Service for UK companies to win contracts from STFC-funded facilities including CERN

A variety of initiatives to support project ideas at different stages



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www.stfc.ac.uk/workingwithindustry

www.stfc.ac.uk/commercialisation

<http://gtr.rcuk.ac.uk/>



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