



BEAMS School Recent Successes and Opportunities

Faculties of Built Environment (Bartlett), Engineering Sciences and Mathematical and Physical Sciences (MAPS)

August 2011

Recent Successes

Chris Wendl (Mathematics) won a Royal Society University Research Fellowship.

Gaetana Larrichia (Physics and Astronomy) won an EPSRC Grant for "Positronium-Matter Interactions" worth £468K.

Paul Shearing (Chemical Engineering) won a Royal Academy of Engineering Research Fellowship for "4-Dimensional Tomography of Electrochemical Devices".

Kyle Jamieson (Computer Science) won a European Research Council Starting Independent Investigator Grant for "Building Scalable, Secure, and Reliable "Chaotic" Wireless Networks" worth roughly 1.45M Euro.

Current Funding Opportunities¹

[New calls – Fellowships]

European Research Council (ERC) Starting Independent Researcher Grants

The scheme provides funding for up to 5 years on any frontier research topic for promising researchers who have the proven potential to become independent research leaders and who are starting or consolidating their own independent research team or programme. Eligible applicants must have been awarded his/her first PhD at least 2 and up to 12 years prior to the publication date of the call (20 July 2011).

<http://ec.europa.eu/research/participants/portal/page/ideas&state=open>

Closing date: 12th October (for Physical Sciences & Engineering)

This scheme is for the most exceptional researchers in Europe. We plan to host a briefing on this call in August (date and venue TBC). The UCL European Research and Development Office is also able to provide support including copies of successful applications. Note that bookings are also open for a number of Starting Grant proposal writing events (including two dates in London) organised by UKRO. Registration details are here: <http://www.ukro.ac.uk/ERC/EVENTS/Pages/index.aspx>

EPSRC Fellowships (Postgraduate, Early Career and Established Career)

EPSRC have announced a faster, more streamlined and flexible approach to fellowships at postgraduate, early career and established career levels - a core strand of their "Developing Leaders" strategy. This scheme will consolidate Challenging Engineering, postdoctoral, career acceleration and leadership fellowships into a new framework. Importantly fellowship applications are invited only in specific research areas that are linked to EPSRC's strategic priorities. These areas will be reviewed after one year. Other changes include: there are no closing date for the submission of applications; there is no outline stage (applicants submit a full application); and, eligibility conditions are no longer based on years of post-doctoral experience or permanent academic tenure (instead fit to a person specification is used).

<http://www.epsrc.ac.uk/funding/fellows/Pages/epsrcfellowships.aspx>

Closing date: No closing dates

There are no closing dates but applicants aiming for the Jan/Feb panel should aim to get their proposals in to EPSRC by the end of September. A briefing about the new scheme will be held after the BEAMS Research Strategy Forum on Wednesday 10 August, and we will be running a range of activities to support applications. NB. All those considering an application to the new scheme should let their Head of Department and Matt Davis (matthew.davis@ucl.ac.uk) know as soon as possible.

RCUK Global Uncertainties Leadership Fellows

The cross-Council Global Uncertainties Programme helps governments, businesses and societies to better predict, detect, prevent and mitigate threats to security, focussing on six core areas: Ideologies and beliefs; Terrorism; Transnational organised crime; Cyber security; Threats to infrastructures; Countering the proliferation of chemical, biological, radiological and nuclear (CBRN) weapons and technologies. The Programme is now seeking to appoint a cohort of Leadership Fellows in the remits of co-funders AHRC, ESRC, MRC and STFC). Up to £4.5 million is available for eight to ten Fellows. Grants will be for a maximum of 3 years on a 60% or less FTE basis (limit of £500k per grant).

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/16083/latest-opportunity-17.aspx>

¹ The text in italics after the closing date is additional or particular commentary from the research facilitators.

Closing date: 28th September

Royal Society University Research Fellowship

Aimed at outstanding scientists in the UK at an early to mid-stage of their career who have the potential to become leaders in their field. The scheme provides the opportunity to build an independent research career. Those appointed are expected to be strong candidates for permanent posts in universities at the end of their fellowships. The scheme covers all areas of the life and physical sciences, including engineering, but excluding clinical medicine. The scheme provides funding to cover the applicant's salary costs, estates costs and indirect costs. Initially funding is provided for five years.

<http://royalsociety.org/grants/schemes/university-research/>

Closing date: 15th September

Royal Academy of Engineering Enterprise Fellowships

The Royal Academy of Engineering has launched a new scheme, Engineering Enterprise Fellowships, which provide funding and support to outstanding entrepreneurial researchers, working in UK Universities, to enable them to spend 12 months developing the commercial potential of their research. Enterprise Fellowships provide up to £85,000 seed funding, including salary support, to build a commercial enterprise at a UK University. In addition to the funding, business training is provided to develop skills and masterclasses will be offered using experienced entrepreneurs to supplement the training.

<http://www.raeng.org.uk/research/researcher/eef/default.htm>

Closing date: 21st October

[New calls – Research Funding]

Leverhulme Trust Research Programme Grants

In the one major departure from its policy of operating in the responsive mode, the Trust selects on an annual basis certain themes of research for which bids are invited. Normally one grant is awarded for each theme. The grants provide funds to research teams for up to five years to enable them to explore significant thematic issues. The scale of the awards (each one at a sum of up to £1.75 million) is set at a level where it is possible for a research team to study a significant theme in depth by conducting a group of interlinked research projects which taken together can lead to new understanding. The themes are selected not to exclude particular disciplines from the competition but rather to encourage research teams to look upon their established research interests from a set of refreshing viewpoints. The themes for this cycle are: Conspiracies; Patronage; Value.

<http://www.leverhulme.ac.uk/funding/RP/RP.cfm>

Closing date: 11th January 2012

RCUK Energy Programme SUPERGEN Hydrogen and Fuel Cells Hub

Proposals are invited for a collaborative research Hub in the Area of Hydrogen and Fuel Cells. The remit of this call will be "Hydrogen generation storage and economics" and "Fuel Cells and Fuel Cell systems". The Institutions involved in the successful application will be expected to take a leadership role in the hydrogen and fuel cells research community. Up to £4M is available for this call only one proposal will be funded. The duration of the grant will be up to five years.

<http://www.epsc.ac.uk/funding/calls/open/Pages/supergenfuelcells.aspx>

Closing date: 11th October

This is a new model of funding being used by the RCUK Energy Programme to continue the work of SUPERGEN consortia. See also the similar SUPERGEN Bioenergy and Solar Energy Hub calls.

EPSRC Energy Programme SUPERGEN Solar Energy Hub call

Proposals are invited for collaborative proposals for a research Hub in the Area of Solar Energy. The remit of this call will be; thin Film solar cells, excitonic and dye sensitised solar cells, solar energy systems and the socio economics of solar energy. There should be a single submission by any consortium submission with a single PI. The Institutions involved in the successful application will be expected to take a leadership role in the solar energy research community. Up to £4M is available for this call only one proposal will be funded. The duration of the grant will be up to five years.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/supergensolarenergyhub.aspx>

Closing date: 25th October

This is a new model of funding being used by the RCUK Energy Programme to continue the work of SUPERGEN consortia. See also the similar SUPERGEN Bioenergy Hydrogen and Fuel Cells Hub calls.

Call for the next stage of the EPSRC SUPERGEN initiative in Bioenergy

This is an invitation for proposals for a SUPERGEN Bioenergy Hub. This is a revised version of a call previously issued in 2010. All submissions must include some of the researchers who are involved in the current Bioenergy SUPERGEN. Approximately £3.5 million is available for this call, and only one Hub will be funded. The duration of the grant should be five years. Anyone intending to submit a proposal to this call must register their interest to EPSRC by 03 October 2011.

Closing date: 25th October

<http://www.epsrc.ac.uk/funding/calls/open/Pages/supergenbioenergy.aspx>

This is a new model of funding being used by the RCUK Energy Programme to continue the work of SUPERGEN consortia. See also the similar SUPERGEN Solar Energy and Hydrogen and Fuel Cells Hub calls.

ERA-AGE2: Research Applications in Active and healthy ageing across the life course

The European Research Area in Ageing (ERA-AGE 2) has launched Europe's first joint research programme in the ageing field, in which ESRC is participating. The call will support high quality multinational and multidisciplinary research applications on "Active and Healthy Ageing Across the Life Course". €4.2 million is available to fund research projects of up to 3 years; ESRC will fund the UK partner of any successful bid.

Applications are invited from multidisciplinary research groups to: generate new knowledge on the biological, clinical, behavioural, social and environmental factors that enable individuals to live actively and healthily into later life; explore comparatively different models, methods, approaches and good practices in societal responses to increased longevity which emphasise both social inclusion and sustainability; and, engage in relevant knowledge exchange activities.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/15912/latest-opportunity-5.aspx>

Closing date: 3rd October

ESRC/EPSC Sustainable Materials for Energy (PIRE) – US/UK Collaborative Funding

ESRC and EPSC in collaboration with the National Science Foundation (NSF) have announced a call in "Sustainable Materials for Energy" for collaborative projects involving researchers from the US and UK under the "Partnerships for International Research and Education Programme" (PIRE). The funders wish to encourage high quality, innovative

research conducted by interdisciplinary teams of researchers which addresses international research priorities. Preliminary (outline) proposals submitted first.
<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/16407/latest-opportunity-12.aspx>

Closing date: 19th October

There is potential here for links to the Sustainable Natural Resources topics of the new UCL-BHP Billiton Institute, as well as a wide range of energy materials and economics/governance topics. Topics covered within the scope of the UK allowed elements of the call are: Novel technologies and processes addressing resource and security of supply issues; Governance and regulation issues in relation to the development of new energy options and their social acceptability; Economics of novel material/processing options for energy generation technologies; and, Opportunity costs of adopting new materials, in particular where scarce resources are used, and how these could be mitigated.

ESRC Centres and Large Grants competition

First call for outline proposals to the newly integrated ESRC Centres and Large Grant Competition 2011-12. This competition is for experienced researchers requiring longer term or extended support for research groups, inter-institutional research networks, linked-project programmes, medium-to-large surveys, other infrastructure or methodological developments, or any related larger scale projects, ranging from £2-5 million.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/3672/latest-opportunity-8.aspx>

Closing date: 13th October

ESRC UK Data Service “Core” (outline call)

The new ESRC “UK Data Service” (a major £15 million investment over a period of five years) will form a critical part of the UK data infrastructure, collecting, ingesting, preserving and providing access and user support to a wide variety of key national data resources which fundamentally drive forward UK social and economic research. It will have a number of functions, which cover: Data collection, preservation and management; Enabling and managing access to data; Value added services. This is a call for outline applications to establish and lead the “Core Service” of the UK Data Service.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/16116/latest-opportunity-9.aspx>

Closing date: 8th September

Tenders for Impact Evaluation of the Rural Economy and Land Use Programme (RELU)

ESRC is seeking to commission an impact evaluation of the “Rural Economy and Land Use Programme” (RELU), a £26 million initiative investigating the connections between rural economy and land use in the UK. The evaluation will seek to identify a number of things including: ways in which RELU’s work has contributed to policy (including research and science policy) debates and been utilised and applied by policy makers and practitioners and the mechanisms through which RELU’s work has influenced policy formation and development (including research and science policy). Further details are available from the Research Councils UK Shared Services Centre Ltd.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/16408/latest-opportunity-2.aspx>

TSB Offshore renewable energy centre - Call for expressions of interest

TSB is seeking expressions of interest from organisations that might lead, or form part of, a new Technology and Innovation Centre (TIC) for offshore renewable energy. The Centre will be based in the UK and support the development and commercialisation of technologies relevant to offshore renewable energy. It will stimulate innovation, accelerate growth and anchor high-value development in the UK. The deadline to register expressions of interest is noon 25 August 2011 and final submissions must be in by noon 1 September 2011.

<http://www.innovateuk.org/content/competition/offshore-renewable-energy-centre-call-for-expressi.ashx>

Closing date: 25 August 2011

Resource Allocation Panel (RAP): Class 1b access to HECToR

EPSRC offers class 1b access to the HECToR supercomputing facilities through calls for proposals to the Resource Allocation Panel (RAP). Through these calls, issued approximately three times per year, users can request significant amounts (>1,000,000 AUs) of computing resource only over a maximum six-month period. The aim of the class 1b mechanism is to provide: Bridging access to HECToR between class 1a grant applications; HECToR resource to trial application developments at scale; and/or, HECToR resource to generate preliminary results in aid of full grant applications to EPSRC.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/rap1boct11.aspx>

Closing date: 7th October

This call was introduced by EPSRC to minimize the excess capacity on the HECToR facility, which still remains fairly high. As a result, success rates to the HECToR RAP are good. Matt Davis convened the RAP while working at EPSRC so can offer useful advice for maximising chances of success.

Resource Allocation Panel (RAP): Technical "top up" applications from existing class 1a grant holders

Call for "top up" HECToR allocations. This call is open only to current class 1a grant holders. Applications for additional resource on technical grounds only will be considered.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/hectortopupoct11.aspx>

Closing date: 7th October

Resource Allocation Panel (RAP): Calls for access to the Edinburgh GPGPU Test Bed

This is a call for applications to access a new GP-GPU test bed hosted by the University of Edinburgh. It is envisaged that expressions of interest to access the test bed will be primarily for test and development, and exploratory work to trial this relatively new architecture.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/gpgpuoct11.aspx>

Closing date: 7th October

[New calls – Networking and mobility]

Integrated Energy Storage Grand Challenges Scoping Workshop

The Research Councils UK Energy Programme is holding a scoping workshop on 7th and 8th September 2011 to develop areas for Grand Challenges in Energy Networks. EPSRC is looking for ideas for grand challenges for large scale integrated energy storage for the electricity grid as we move towards 2050. This is a call for expressions of interest to attend the event.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/integratedenergystorageworkshop.aspx>

Closing date: 10th August

An opportunity for UCL researchers working in a number of disciplines to influence the forthcoming RCUK Energy Programmes research strategy in energy networks. We can provide feedback on, and offer advice on how to write good examples of, Expressions of Interest.

Increasing Resilience to Natural Hazards in Earthquake-prone & Volcanic Regions – Town Meeting

NERC and ESRC, under the auspices of the Global Uncertainties Programme, invite attendance at an interactive workshop on Tuesday 6th September 2011 to find out about their new “Increasing Resilience to Natural Hazards in Earthquake prone and Volcanic Regions (RNH)” call. NERC and ESRC will be allocating up to £5m for the main funding round of the new IRNH programme.

<http://www.nerc.ac.uk/research/programmes/resilience/events/town/>

Closing date (to register): Thursday 18th August

[New calls – Internal funding opportunities²]

[No new calls this month]

² For a number of internal funding opportunities for postgraduate research and training available to UCL academics see: <http://www.ucl.ac.uk/beams/phd/funding>

[Calls still open – Fellowships]

ESRC Future Research Leaders 2011

ESRC's new early careers scheme, Future Research Leaders, supports outstanding early career researchers to carry out excellent research and to develop all aspects of their research and knowledge exchange skills. The scheme is open to candidates from anywhere in the world who have a maximum of 4 years' postdoctoral experience and the support of an eligible UK research organisation. There is a two-stage peer-review process, with Outline proposals required by 15 September. Awards will be for a maximum of three years, with an overall limit of £215,000 (at 100% FEC). ESRC aims to fund 70 awards.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/15938/latest-opportunity-11.aspx>

Closing date: 15th September

A notable change to this year's call is that a maximum 60% FTE salary for fellows can be requested from ESRC with the balance to be met by the supporting institution. These applications also each require a letter from the Vice-Provost (Research) and an institutional process to check on quality. Please contact Andrew Clark if interested in an application.

BBSRC David Phillips Fellowships

BBSRC's fellowship scheme for high potential researchers with between 3 and 10 years post-doc experience:

<http://www.bbsrc.ac.uk/funding/fellowships/david-phillips.aspx>

Closing date: 6th September

STFC Ernest Rutherford Fellows

Replacing the previous Advanced Fellowship scheme, the STFC Ernest Rutherford Fellowship scheme will enable early career researchers with clear leadership potential to establish a strong, independent research programme, encouraging talented researchers in UK universities to remain in the country and attract outstanding overseas researchers to the UK. Each Fellowship will last for five years, with 12 offered annually. Fellows will receive support for their salary and be able to bid for significant additional funds to support their research (when the scheme reaches its full cohort of 60 Ernest Rutherford Fellows in 2016, the funds available for this additional research support will total £3M per year.)

<http://www.stfc.ac.uk/509.aspx>

Closing date: 12th October

EPSRC Fellowships in Manufacturing

This pilot call is looking to fund academics who have recently (within the last three years) moved from industry, or people in industry, currently involved in innovation, looking to move into academia. The aim is to offer up to five years of support for suitable candidates who not only have an appropriate background but can also articulate their vision for utilising their industrial experience to inform their future research direction.

<http://www.epsrc.ac.uk/funding/calls/open/fellowmanufacturing/Pages/default.aspx>

Closing date for expressions of interest: 1st September

This is a good opportunity to get substantial (c.£1M) funding to move industrialists who might lead future research activities of relevance to manufacturing into academia, e.g. to build up our leadership capacity in some key future areas.

MRC Special training fellowship in biomedical informatics

This special training fellowship is aimed at developing outstanding individuals who are seeking to move into the application of mathematical, statistical and computational methods to biomedical research problems. Applicants should have a clear ambition for their research and a strong and practical sense of how they develop their careers as leading biomedical scientists and informaticians. The special fellowship is awarded at the post-doctoral entry level and all proposals must include a well-specified formal training element in addition to a research project. The award provides up to four years of support and the opportunity to enhance the research training through placement in an overseas research centre, a second UK research centre or in UK industry. MRC expect to make up to five awards a year.

<http://www.mrc.ac.uk/Fundingopportunities/Fellowships/Specialtraining/index.htm>

Closing date: 6th October

Note: Applications are encouraged from those with advanced training in the physical or mathematical sciences or in information technology, who wish to apply their expertise to biomedical problems. In particular, applications are encouraged in imaging informatics.

[Calls still open – Research Funding]

EPSRC Follow-on Fund - August 2011

The EPSRC Follow-on Fund helps researchers to bridge the 'funding gap' between traditional research grants and commercial funding. It will support early-stage activities essential to realising the commercial potential of EPSRC funded research. Proposals will demonstrate a strong commercial focus and not be predominantly concerned with overcoming technical obstacles or extending the original research. Up to 12 months funding is available for academics in UK research organisations to take forward ideas generated by EPSRC grant funding.

<http://www.epsrc.ac.uk/funding/calls/open/Pages/fof2011.aspx>

Closing date: 25th August

Note the commercialisation focus of this call. See also (below) the current internal UCL Enterprise and UCL Secondment Award calls.

AHRC/ESRC/EPSRC Centre for Copyright and New Business Models in the Creative Economy

The cross-Council Digital Economy Programme, have announced details of a new initiative in “Copyright and New Business Models in the Digital Age”. This call represents the first of two stages in the application process: expressions of interest are invited for a multidisciplinary research centre that focuses on real research challenges in the creative economy, relating to new digital technologies and issues of copyright and new business models. £5M Full Economic Cost (FEC) is available to support one Centre over four years. The successful applicants will be funded at 80% of FEC. There is an expectation that the Centre will leverage significant additional income or support from partners and other sources and achieve sustainability post funding.

<http://www.ahrc.ac.uk/FundingOpportunities/Pages/CopyrightNewBusinessModelsCreativeEconomyEol.aspx>

Closing date: 8th September

UCL is involved in a consortium developing a response to this call – please contact Ingemar Cox if interested.

AHRC/Arts Council/Nesta Digital Research & Development Fund for Arts and Culture

The Digital Research & Development Fund for Arts and Culture aims to support English arts and cultural organisations working with digital technologies to expand their audience

reach and engagement and/or explore new business models. Expressions of Interest from UK-based researchers or research teams are invited, working with work with arts and cultural organisations and technology providers, proposing interventions to address the aims of the Fund with appropriate mechanisms for capturing and disseminating lessons learned. Applications are encouraged related to one or more specific themes: User Generated Content and social media; Distribution; Mobile, location and games; Data and archives; Resources; and, Education & learning. Up to £200,000 is available for this call (up to £50,000 per award).

<http://www.ahrc.ac.uk/FundingOpportunities/Pages/DigitalRDArtsCulture.aspx>

Closing date: 2nd September

ESRC-DFID Joint Scheme for Research on International Development (Poverty Alleviation) Phase 2 Call 3

This is a third call for development research under the strategic partnership between ESRC and the Department for International Development (DFID). The purpose of the scheme is to provide a more robust conceptual and empirical basis for development and the achievement of the Millennium Development Goals (MDGs), with research resulting in evidence useful to practitioners and policy makers. £7 million is set aside for this third call. Three thematic areas for this call are of particular interest: Resource Scarcity, Growth and Poverty Reduction; Information and Communication Technology and Development; and, Measuring Development.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/international-funding/esrc-dfid/DFID-phase2-call3.aspx>

Closing date: 27th September

ESRC/ERA-AGE2 Joint Call in active and healthy ageing across the life course

ESRC is participating in the ERA-AGE2 Joint Call for Research Applications (JCRA) in Ageing Research. The call supports multinational and multidisciplinary research applications on "active and healthy ageing across the life course". ESRC will fund a UK partner of successful transnational application including high quality social science.

ESRC's maximum contribution is £150,000. Further information and ESRC specific requirements will be available shortly at: <http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/15912/latest-opportunity-5.aspx>

Closing date: 3rd October

NERC Probability, Uncertainty & Risk in the Environment

NERC invites proposals (up to £2M) for a four-year consortium grant that will constitute the Probability, Uncertainty and Risk in the Environment research programme. Proposals should focus on developing new methods which are demonstrably useful in a range of important applications and transferable across hazard types, in order to improve the assessment and quantification of uncertainty and risk in natural hazards science. In particular, proposals should focus on the four linked Scientific Objectives, i.e. to develop: (i) methods to account for model limitations through comprehensive quantification of uncertainties within NH models; (ii) methods to combine evidence through Development of real-time evidence synthesis for hazard event management; (iii) methods to account for unquantifiable uncertainties through development of models to delineate and assess these; (iv) methods to improve risk models through development of tools and techniques.

<http://www.nerc.ac.uk/research/programmes/pure/events/ao.asp>

Closing date: 11th October 2011

Note that the consortium will also be expected to integrate with the already funded Probability, Uncertainty & Risk in the Environment research and knowledge exchange network (<https://ktn.innovateuk.org/web/pure>).

NERC International Opportunities Fund

The aim of this scheme is to facilitate international collaboration for research and research-related activities that are aligned with NERC strategy. Up to £1.3 million is available per year to fund grants up to £300,000. Specific objectives are: to fund high impact, outcome focused, collaborative activities in areas of NERC strategic themes and challenges as expressed in the NERC Strategy; to fund activities that require international collaboration; to fund activities that have lasting outputs; to fund activities that are not typically supported through other NERC funding schemes. NERC are looking to see international collaborators from NERC target countries.

<http://www.nerc.ac.uk/research/international/iof/events/ao2.asp>

Closing date: 21st September

TSB Building Performance Evaluation

Up to £8m is available to fund the costs of building performance evaluation studies on domestic and non-domestic buildings. TSB will fund organisations responsible for buildings for the total cost of evaluating the performance of case study buildings they design, build, own and/or operate. TSB are particularly keen to receive initial applications focused on retail, hospitality and industrial buildings and buildings in any sector that are of small (<1000m²) or medium (<5000m²) in treated floor area or are refurbishments. Funding will be allocated in tranches over two years.

<http://www.innovateuk.org/content/competition/building-performance-evaluation-.ashx>

Closing dates: 14th September and 18th January 2012

Google Faculty Research Awards Scheme

The purpose of this program is to facilitate more interaction between Google and academia and also nurture stronger relations and partnerships with universities. The intent of the awards program is to support academic research aimed at improving information access (defined broadly). Google funds Research Awards unrestricted and retains no intellectual property from the research and prefer if the results from the research are open sourced and widely published. Awards through this program are for one year in the range from \$10K-\$150K.

http://research.google.com/university/relations/research_awards.html

Closing dates: 1st February and 1st August each year

Wellcome-NIHR Healthcare Innovation Challenge: Infection Response Systems: Development and application of technology for prevention, diagnosis, intervention and control of infection

Theme 5 of the HICF is seeking to address needs and priorities in both the National Health Service and Public Health sectors. The technologies that are developed through HICF support need to benefit patients through providing practitioners with the tools to detect infectious agents both on a routine basis and in an 'emergency situation'. Inviting bids to develop multidisciplinary 'infection response systems' which take new technologies and apply them to healthcare systems to deliver innovative, interdisciplinary approaches to improved detection surveillance and intervention. As ever for HICF, emphasis is on putting together something to accelerate a system into use, rather than for research per se.

Roughly £15M is available:

<http://www.wellcome.ac.uk/Funding/Technology-transfer/Awards/Health-Innovation-Challenge-Fund/index.htm>

Preliminary Application Deadline: 2nd September

European Commission – Future and Emerging Technologies (FET) Young Explorers

FET Young Explorers is an ongoing scheme designed to provide some of Europe's most promising young scientists in ICT and computing with the opportunity to take their ideas forward in the form of small collaborative research proposals, with possibility of funding in the order of EUR 1 million.

http://cordis.europa.eu/fp7/ict/fet-open/ye_en.html

Closing date: Open for applications until September 2012

This is an unusual opportunity for researchers who are less than 6 years from PhD to gain funding to develop radical ideas that could change the face of ICT. Funding is available for collaborative research projects (or STREPS).

[Calls still open – Networking and mobility]

EPSRC Discipline Hopping Awards in ICT

These awards provide short-term support to allow researchers from core ICT fields to pursue an immersive experience with other disciplines and/or user fields. The aim of this is to foster new interactions, bringing a multidisciplinary and user-driven focus to research. Alternatively, non ICT specialists can apply for funds to bring a technological perspective to their home discipline. The call is aimed at researchers who have a proven track record of research in their home discipline, providing funding to develop skills and collaborations with other disciplines and end users. Signposting: EPSRC particularly encourage Discipline Hopping proposals in the area of the Digital Economy. Applications are encouraged which focus on the development of novel ICT and subsequent adoption by the end user (e.g. in healthcare, creative industries, transport and financial services).

<http://www.epsrc.ac.uk/funding/calls/open/Pages/disciplinehopping.aspx>

Closing date: There is no closing date (apply any time).

ESRC-JSPS collaborative seminars

ESRC and JSPS (the Japanese Society for the Promotion of Science) are funding research seminars aimed at bringing together Japanese and British based researchers on any topic in the social sciences. A competition is being held for funding for up to £15,000 and 2.5 million Yen for research seminars to be held in the period April 2012-March 2013.

<http://www.esrc.ac.uk/funding-and-guidance/funding-opportunities/13952/latest-opportunity-10.aspx>

Closing date: 13th September

ESRC International Partnership and Networking Scheme

This is aimed at fostering the development of long-term relationships with overseas social scientists in areas of interest that are of direct relevance to ESRC's current strategic priorities. These awards are intended to provide flexible support for a programme of activity with the objective of establishing sustainable collaborations, leading to the development of joint research proposals. Awards are worth up to £25,000 each.

Closing date: 12th October

Royal Society call for scientific meetings

The Royal Society is seeking proposals for its 2013 scientific meetings programme for UK scientists to run an interdisciplinary international two-day conference as part of the event programme of the Royal Society. These meetings are intended to be pivotal events of lasting significance; a chance for leading and emerging scientists to examine current and future issues surrounding novel, dynamic, innovative and exciting areas of science, engineering and technology. Any UK scientist or engineer is eligible to submit a proposal. If successful, you will be the scientific organiser of the meeting, and the Royal Society staff will handle the

administration of the meeting, so you can focus on ensuring the quality of the science presented is of the highest possible calibre

<http://royalsociety.org/events/meetings/2013/>

Closing date: 14th September

[Calls still open – Internal funding opportunities³]

UCL Secondment award

Secondment Awards support UCL staff wishing to promote their engagement in knowledge transfer, through secondments with companies, social enterprises, charities and other non-academic organisations. Secondments may be outbound or inbound, and should build upon EPSRC-funded research, targeting translation of outcomes towards practical application. Awards of the order £30-60K are available, for projects between 6-12 months in duration. Projects must be completed by end August 2012. Priority will be given to projects with clear potential for IP development and/or development of longer-term research partnerships.

<http://www.ucl.ac.uk/beams/phd/funding/secondment>

Closing date: 23rd August

UCL Enterprise Award

Enterprise Awards support UCL staff and divisions wishing to promote their engagement in knowledge transfer. Funded activities may include the development of prototype devices and models; the development of commercial offerings such as CPD courses; the development and participation in knowledge transfer networks and events; the provision of support and training for staff, including course participation, appointment of specialist knowledge transfer staff and/or consultants, and accreditation through vehicles such as the London Technology Network Fellowship Scheme. It is expected that awards will be of the order of £50-150K, for projects between 6-18 months in duration. Projects must be completed by end March 2013. Priority will be given to projects with clear strategic value.

<http://www.ucl.ac.uk/beams/phd/funding/enterprise>

Closing date: 23rd August

³ For a number of internal funding opportunities for postgraduate research and training available to UCL academics see: <http://www.ucl.ac.uk/beams/phd/funding>

[Other internal funding opportunities]

Internal CASE Awards

These awards support doctorates collaborative with industry in the Industrial CASE model: <http://www.epsrc.ac.uk/funding/students/coll/icase/>. Awards may be made over either 3 or 4 years (e.g. MRes + PhD). There is a quarterly call:

<http://www.ucl.ac.uk/beams/phd/funding/case>

Internal Doctoral Training Programmes (DTP)

These awards support groups wishing to set up pilot centres for doctoral training: <https://www.ucl.ac.uk/beams/phd/centres> with a view to targeting Research Council funding at a later stage. There is an annual call closing on the last day of May:

<https://www.ucl.ac.uk/beams/phd/centres>

Internal EPSRC Doctoral Prize

These awards support completing doctorates wishing to continue their research at UCL. Awards provide a fellowship of up to one year and are focused on excellence and translation. The fellowship candidate should apply. There is a quarterly call:

<http://www.ucl.ac.uk/beams/phd/funding/phd-plus>

Internal Impact Studentships

These awards support doctorates typically collaborative with industry or charity (although internal projects are not excluded) in a 50/50 funding model. Awards may be made over either 3 or 4 years (e.g. MRes + PhD). There is a quarterly call:

<http://www.ucl.ac.uk/beams/phd/funding/impact>

Internal Vacation Bursaries

These awards support short projects for undergraduate students (first year excluded) wishing to explore careers in research. Applications should be submitted by a UCL academic. There is an annual call closing on the last day of March

<https://www.ucl.ac.uk/beams/phd/funding/vacation-bursary/>

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