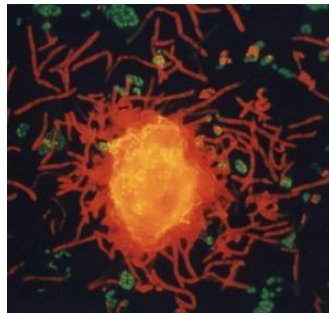


The Newton Fund

*“Research and Innovation for
Growth and Prosperity”*

8 July 2015

The UK will use its strength in research and innovation to **promote the economic development and social welfare of partner countries**. By working together on bi-lateral and multi-lateral programmes with a research and innovation focus, the UK will **build strong, sustainable, systemic relationships** with partner countries. This will support the continued excellence of the UK research base and innovation ecosystem and will unlock opportunities for wider collaboration and trade.



Our partner countries



The Partnership

We want a genuinely bilateral partnership where both sides – and global knowledge and innovation - gain significant benefit.

- The UK and partner countries already collaborate on a wide-range of research & innovation topics – we want to use the Newton Fund to take this to the next level
- We have some ideas for work we might take forward together based on things that have worked in the past – but we want to hear yours and to leave space to try something new
- Everything we fund should be chosen through an open, transparent and competitive process – so we fund the best people and projects
- Both sides should make an equivalent contribution
- Build evaluation in from the start



The UK Delivery Partners

Our aim is to build strong, sustainable and systemic links between every part of our research base and innovation ecosystem – and every part of yours



Department
for Business
Innovation & Skills

Innovate UK
Technology Strategy Board



UK Science
& Innovation
Network

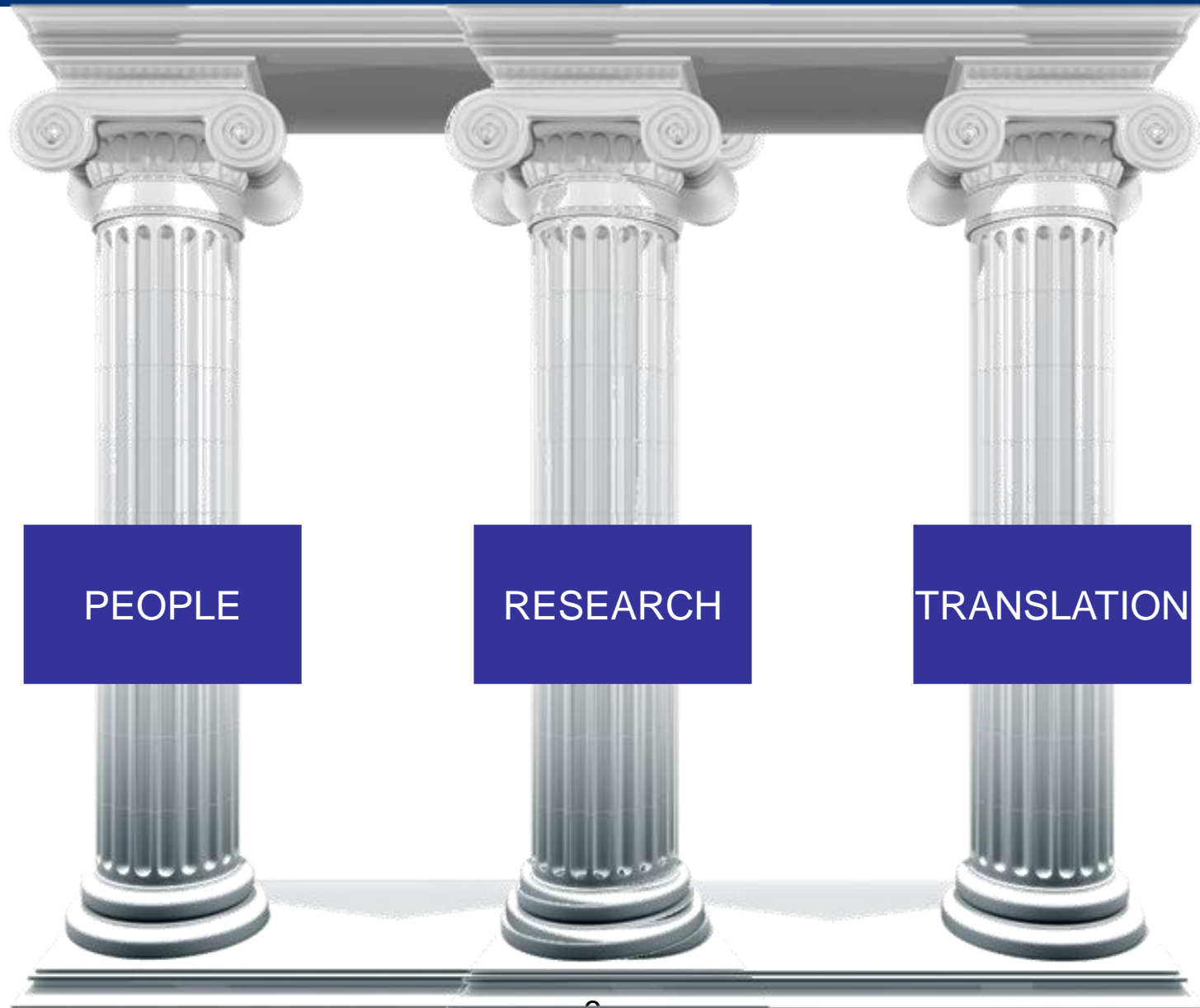


Foreign &
Commonwealth
Office

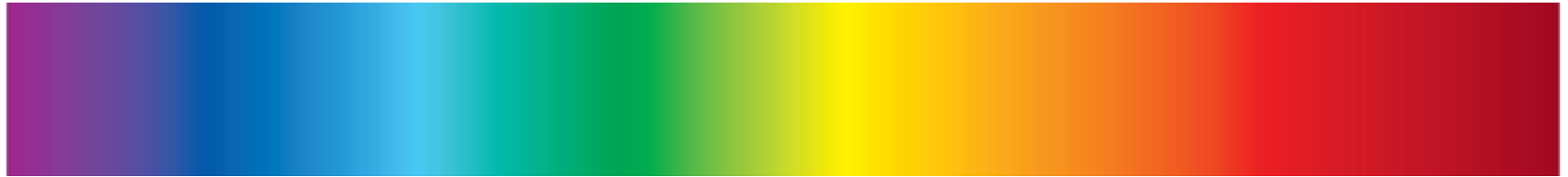
THE
ROYAL
SOCIETY



The Pillars



**School Student PhD Postdoc Young Prof
Academician**



Potential Newton Fund people activity - examples

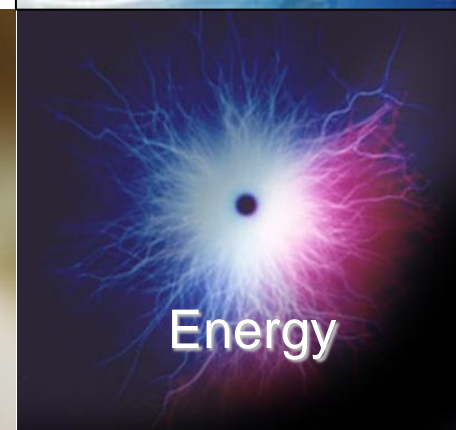
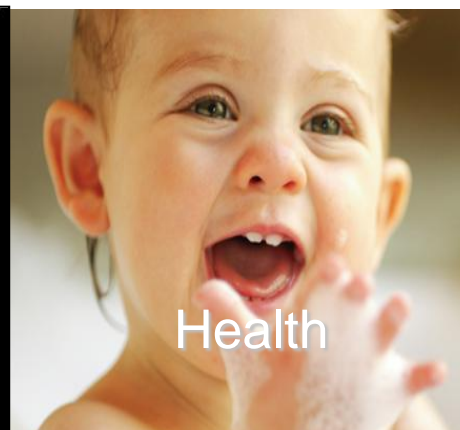
- **Newton Fund Advanced Fellowships:** The Royal Society, Academy of Medical Sciences and British Academy would offer fellowships to develop research capacity in partner countries by linking early- to mid-career research group leaders with UK research groups.
- **Newton International Fellowships:** The Royal Society, Academy of Medical Sciences and British Academy would offer early career researchers fellowships
- **Newton Leaders in Innovation Fellowships:** The Royal Academy of Engineering would offer fellowships focussed on developing academia and industry links
- **Newton International Exchanges:** The Academies and British Council would organise shorter exchanges for UK and partner country researchers e.g. summer placements in labs
- **PhD Partnerships:** British Council and RCUK would broker PhD Partnerships between UK and partner country institutions



- **Newton Researcher Links** British Council and UK National Academies would offer a programme to stimulate initial links between, and support capacity building among, ‘rising star’ early career researchers in partner countries and the UK.
- **Professional development and engagement** (skills for researchers and research support staff, including English skills; community engagement; support for research governance and strategies at institutional level etc.)
- **STEM (Science, Technology, Engineering and Maths) Education** – support for STEM learning at the schools level
- **Technical training and employability** – building the science and innovation workforce outside academia

Collaborative research programmes

- Joint research calls
- Joint centres
- Access to research and innovation infrastructure



- Global Health Research Call
(MRC lead)
- International Wheat Yield Partnership
(BBSRC lead)
- Sustainable Development in Urban Areas
(ESRC lead)



- Research and Innovation Bridges
- Global Innovation Capacity Building
- Developing entrepreneurial skills in S&I small and medium sized enterprises



- **Global Innovation Capacity Building** Bodies such as Innovate UK could work with government ministries and innovation agencies to share effective policies and practice.
- **Research and Innovation Bridges** Institutional “bridges” between UK Catapults and centres of innovation focusing on particular challenge areas
- **Newton Institutional Links** Institute-Institute programmes aiming to bring new technologies that can be spun-out potentially creating enterprises that can offer practical solutions to address particular needs affecting partner country’s low income communities



newton UK – Thailand Research and Innovation Partnership Fund

**“...up to £4 million per year could be
available for Newton UK – Thailand...”**

for matching by Thailand...”

The Thailand Delivery Partners

Our aim is to build strong, sustainable and systemic links between every part of our research base and innovation ecosystem – and **every part of yours**



Mechanism for in-country co-ordination

While our individual Delivery Partners will be forging links with their opposite numbers in-country, our Embassy, Consulate or High Commission will be making sure the whole programme really does represent a “whole system” partnership between the UK and our partner country.

- **BIS + FCO + SIN**
- **RCUK**
 - **MRC**
 - **BBSRC**
- **Academies**
 - **Royal Society**
 - **British Academy**
 - **Royal Academy of Engineering**
- **British Council**
- **Innovate UK**

Pijarana Samukkan

Research and Innovation
Programme Manager

Prosperity Section

British Embassy in Bangkok

Tel. +662 305 8280

Email:

pijarana.samukkan@fco.gov.uk

- **Science, Technology and Innovation Policy Office (STI)**
- **National Science and Technology Development Agency (NSTDA)**
- **Thailand Research Fund (TRF)**
- **Agricultural Research Development Agency (ARDA)**
- **Office of the Higher Education Commission (OHEC)**
- **Institute for Promotion of teaching Science and Technology (IPST)**
- **Health Systems Research Institute (HSRI)**
- **National Research Council of Thailand (NRCT)**

Translation

- ❑ Research & Innovation Collaboration
- ❑ Institutional Links






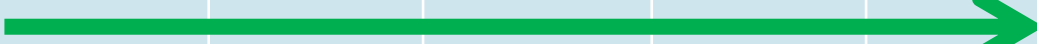



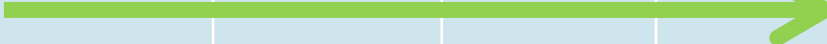
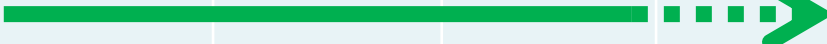

Research



People



Overall Plan @ May 2015 (cont.)

	2014/15	2015/16	2016/17	2017/18	2018/9
1. STEM Education					
2. PhD Scholars & Supervisor Travel Grants					
3. International Exchanges (Mobility)					
4. Advanced Fellowships					
5. Leader in Innovation Fellowships					
6. Professional Development					
7. Researcher Links					
8. Joint Research					
9. Research & Innovation Collaboration					
10. Institutional Links					

The Academies

THE
ROYAL
SOCIETY



BRITISH
ACADEMY

for the humanities and social sciences



ROYAL
ACADEMY OF
ENGINEERING



The **Academy** *of*
Medical Sciences

- The UK has four **National Academies** (RS, BA, AMS and RAEng)
- **Fellowship** organisations
- Funding, Policy, Public Engagement, Publishing, Innovation
- Mission to support and promote excellence of disciplines
- Smaller research funders in UK terms (c. £100M/year)
- Key role in the UK is to support outstanding people (primarily **research** fellowships)

Together, support researchers across the **full disciplinary spectrum**:

- **Newton Advanced Fellowships:** The RS, AMS and BA offer fellowships to develop research capacity by linking early to mid-career research group leaders with UK research groups.
- **Newton International Exchanges:** The RS, BA, AMS and RAEng offer shorter exchanges for UK and Thailand researchers to collaborate together.
- **Newton Leadership in Innovation Fellowships Programme:** A programme building innovation and entrepreneurial capacity in the research system.

- Fellowships to support early to mid career researchers (up to 15 years post PhD).
- Researchers who have already established (or are well advanced in the process of establishing) a research group or research network
- Aim – To support the development of their research strengths through collaboration and for more formalised training and development.
- Up to two years, with multiple short periods in the UK
- Fellowship will provide a salary top up, research support, training costs, exchange of staff and travel and subsistence (£37k per year)
- Cover Natural Sciences, Engineering, Social Sciences and Humanities (Human Sciences).

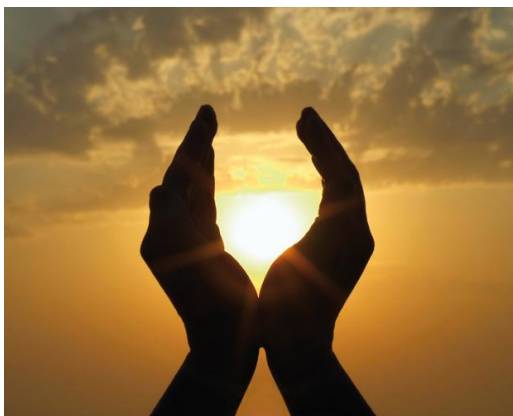
- Support early career and established researchers in embarking on research collaborations with their UK counterparts
- Cover Natural Sciences, Engineering, Social Sciences and Humanities (Human Sciences)
- Based around a new joint high quality research project
- Awards for 1 year and c. £10-24k per annum
- Includes visits, travel, subsistence, research expenses
- Part of flexible mobility support seeding long-term collaborative partnerships that may go on to attract larger-scale funding

Partnership in **capacity building for innovation** between the UK and Thailand:

- **Leadership in Innovation Fellowships (LIF) Programme:**
Entrepreneurship training and mentorship for researchers who wish to commercialise an innovation
- Overseen by an **Innovation Node**: Leadership council of senior figures from industry and academia tasked with developing a strategy for innovation collaboration and address key challenges
- A flexible, long-term partnership
- Build links to the Academy's Enterprise Hub, and establish a global network of innovative engineering researchers

Research Councils UK
Excellence
with impact

Research Councils UK and the Newton Fund



Research Councils UK



Arts & Humanities
Research Council



EPSRC

Engineering and Physical Sciences
Research Council



Science & Technology
Facilities Council



**NATURAL
ENVIRONMENT
RESEARCH COUNCIL**

Medical Research Council

- The MRC's mission is to improve human health through world-class medical research.
- To achieve this, we support research **across the biomedical spectrum**, from fundamental lab-based science to clinical trials
- We support medical research in **all major disease areas**.

MRC in Newton Fund for Thailand

The MRC has a key interest in global health research, including communicable and non-communicable diseases

Joint Health Research Programme for Thailand:

- Infectious Diseases (to be supported by the MRC and NSTDA)
- Cancers (to be supported by the MRC and TRF)
 - Lung cancer
 - Cholangiocarcinoma
 - Oesophageal cancer

Wellcome Trust – MRC Newton Fund Collaboration



- Principal funder of non-clinical life sciences in the UK. Budget ~ £500 M p.a.
- Three strategic priority areas:
 - Agriculture and Food Security
 - Industrial Biotechnology and Bioenergy
 - Bioscience for Health
- Three key enabling themes:
 - Enabling Innovation
 - Exploiting New Ways of Working
 - Partnerships

Newton Fund UK-China-Thailand-Philippines-Vietnam in RICE RESEARCH

Focus on

- **Greater resilience to biotic and abiotic stresses**
- **Improved resource use efficiency**
- **Improved quality of rice**
- **Novel research tool and technology development supporting the above areas**

In addition to the challenges listed above, proposals will also be welcomed in the following areas and countries:

- **Improved photosynthetic efficiency in rice** (China, Thailand, UK)
- **Environmentally sustainable rice cultivation systems** (Thailand, Philippines, UK)
- **Utilisation of rice by-products** (Philippines, Vietnam, UK)
- **Sustainably increasing the genetic yield potential of rice** (China, UK)

Newton Fund

British Council

Newton Fund Delivery Partners



British Council Thailand

We are the UK's **international cultural relations** organisation, and have been working for 80 years to forge links between people in the UK and other countries

We have **218** offices in **109** countries around the world

One of our charitable purposes is to: 'encourage cultural, **scientific, technological** and other educational cooperation between the United Kingdom and other countries'

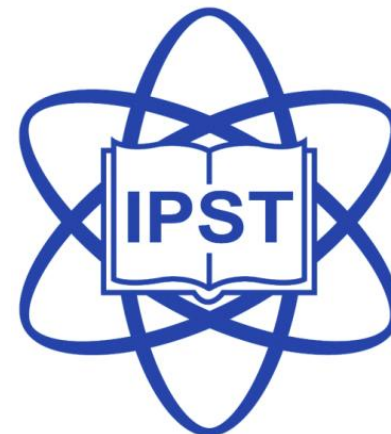
British Council and Newton Fund

- Projected started in 2014
- Worked with over 71 universities and 470 researchers in Thailand and UK

	Year 1	Year 2	Year 3	Year 4	Year 5
1. PhD Scholars & Supervisor					
2. Professional Development					
3. Researcher Links					
4. STEM Education					
5. Institutional Links					

The diagram illustrates the timeline of five activities over a five-year period. The activities and their durations are as follows:

- 1. PhD Scholars & Supervisor:** Active from Year 1 to Year 5.
- 2. Professional Development:** Active from Year 1 to Year 3.
- 3. Researcher Links:** Active from Year 1 to Year 5.
- 4. STEM Education:** Active from Year 1 to Year 5.
- 5. Institutional Links:** Active from Year 1 to Year 4, with a dashed arrow indicating continuation into Year 5.



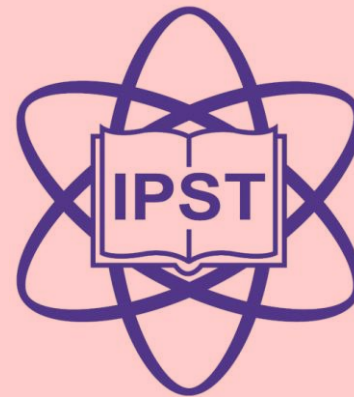
- ☐ สำนักงานกองทุนสนับสนุนการวิจัย
- ☐ สำนักงานคณะกรรมการนโยบายวิทยาศาสตร์ เทคโนโลยีและนวัตกรรมแห่งชาติ (สวทน.)
- ☐ สถาบันส่งเสริมการสอนวิทยาศาสตร์และเทคโนโลยี (สสวท.)



PhD Scholars & Supervisor
Professional Development
Researcher Links



Institutional Link



STEM Education

Newton-TRF PhD Placement Scholarship for Scholars and Supervisors





PhD Scholar

TRF
6 months

Newton Fund
6 months

PhD Supervisors

1-2 weeks &
Up to 3 scholars

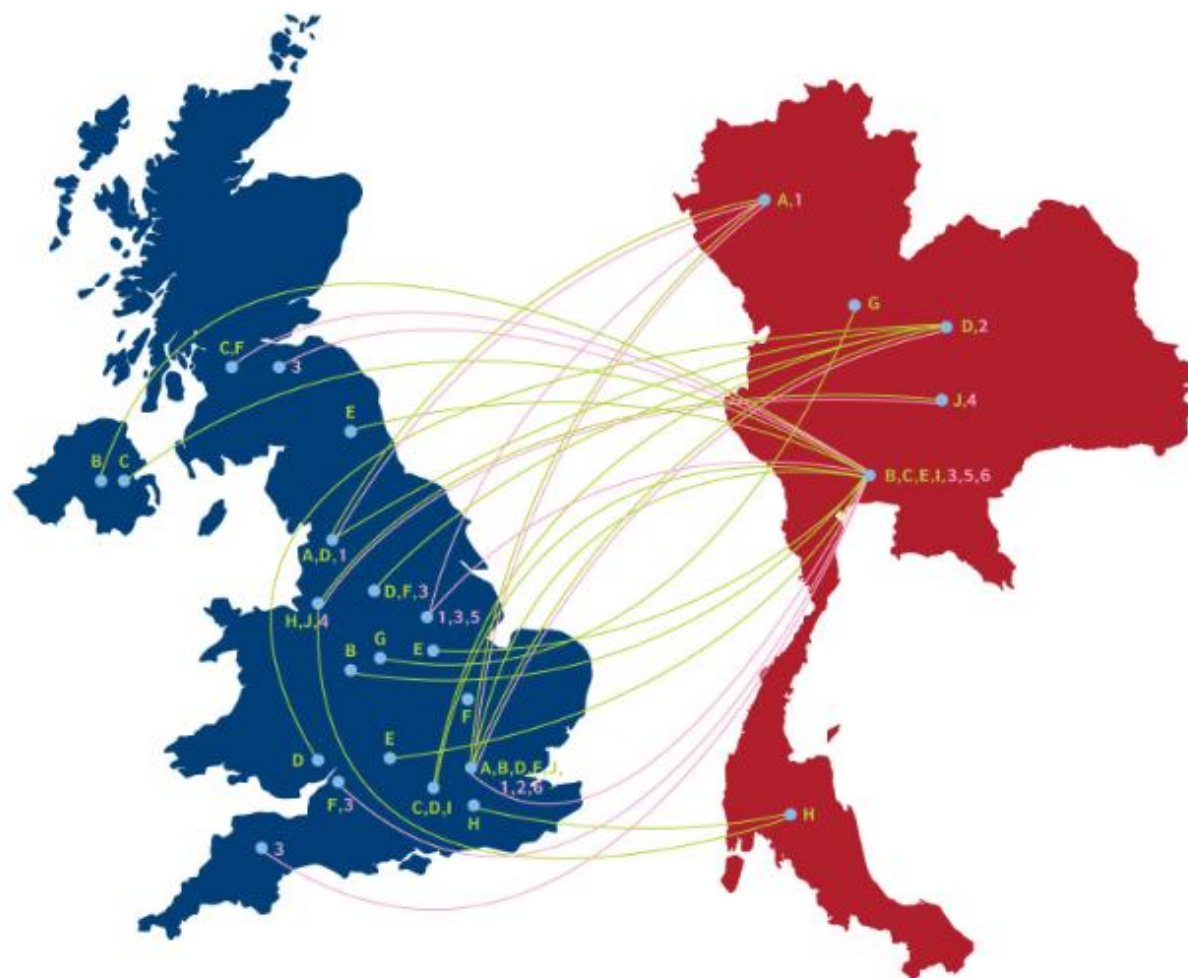
- Enable scholars to stay for longer periods in UK higher education institutions
- Creating more opportunities to learn from the UK's research excellence and create collaborative links.

Eligibility

Scholars under the following programmes:

1. The Royal Golden Jubilee Programme (RGJ)
2. Research and Researcher Development for Industry Programme (RRi)
3. International Research Network Programme (IRN)

PhD Placement in Year 1 (2014/15)



PhD Scholars: 29

PhD Supervisors: 11 (with 22 students)

Topics areas range from:

- Cancer biomarkers
- Systematics and Evolutionary biology of invertebrate
- Immunology, infectious diseases and vaccine development
- Antibody engineering, phage display technology
- Raw material for biodiesel production

Thai Universities

1. Chiang Mai University

2. Khon Kaen University

3. Mahidol University

4. Suranaree University of Technology

5. Thammasat University

6. University of the Thai Chamber
of Commerce

UK Universities

University College London

Lancaster University

University of Sheffield

Imperial College London

University of Bristol

University of Cambridge

University of Edinburgh

University of Exeter

University of Manchester

University of Salford

University of Sheffield

Liverpool John Moores University

University of Sheffield

University College London

Thai Universities	UK Universities
E. King Mongkut's University of Technology Thonburi	University of Nottingham Newcastle University Oxford Brookes University
F. Mahidol University	University of Salford London School of Hygiene & Tropical Medicine University of Glasgow University of Cambridge University of Bristol
G. Naresuan University	Coventry University
H. Prince of Songkla University	University of Liverpool University of Surrey
I. Silpakorn University	University of Reading
J. Suranaree University of Technology	University College London Liverpool John Moores University

Researcher Links Workshop & Travel Grant



**RESEARCHER
LINKS**

Newton- Researcher Links

- The Researcher Links programme aims to stimulate initial links between, and support capacity building among, 'rising star' early career researchers in partner countries and the UK.

The Researcher Links: WORKSHOP

- bring together the UK – Thailand bilateral cohort of early career researchers to take part in a workshop

The Researcher Links: TRAVEL GRANT

- provide financial support for early career researchers to spend up to six months in the UK to enhance and strengthen collaboration,

Newton- Researcher Links

Previous workshop topics (a focus on areas ranging from science to humanities and social sciences)

- Flooding Adaptation
- Documenting and preserving indigenous languages
- Women Entrepreneurship
- Robotics
- Melioidosis and tuberculosis

Newton- Researcher Links

Previous travel grant topics

- The immunological relevance of vitamin D to human health
- New Biochip Platforms for DNA Sensing
- Green innovation for climate change mitigation and adaptation strategies to pave the ways towards low-carbon society
- Appropriate solar cooling and thermal storage options for buildings in Thailand
- Energy harvesting from vibration of engineering structures
- Advanced Medical Diagnostics and Lab-on-a-Chip
- Development of anticancer drug-conjugated poly (glycerol adipate) nanoparticles for cancer therapy
- Airborne particle, gas pollutant and chemical speciation in urban and industrial Thailand



Newton Fund and the Royal Society of Chemistry will support Researcher Links workshop and travel grant on Chemical Sciences topic

Research topics on **Chemistry** are welcome to apply

Researcher's link

Researcher link workshop: King Mongkut's University of Technology Thonburi and The University of Manchester

Robotics research in Thailand



Professional Development and Engagement



Newton- Professional Development

Support the research environment and encourage optimal impact from research, by enabling researchers continue to develop their skills and providing supported through the 'life cycle' of their career

Midcareer Researchers

- A training programme for Thai researchers with 5-10 years' research experience to enhance advanced skills in managing research projects

Project Officers

- A training programme for project officers, coordinators and international officers

Professional Development

Professional Development for researchers –
workshop and training by UK experts

Research on magnetic recording
technology

Example of turning research into
economic benefits



Institutional Links



**INSTITUTIONAL
LINKS**

- Grants for establishing links between higher education, research institutions and businesses with the aim of translating research to drive economic development and social welfare in partner countries.
- Initiate new research and innovation collaborations between academic groups, departments and institutions in partner countries and the UK
- Develop existing collaborations at group, departmental and institutional level

Supporting and finding partners in the UK

- Support institutional matching and institutional partnerships
- Assistance to both UK and Thai researchers to connect with potential partners for the Researcher Links and Institutional Links calls



Email: newton@international.ac.uk

When contacting us, please ensure that you include the following information:

- Which call you wish to find a partner for (Researcher Links Workshops/Researcher Links Travel Grants/ Institutional Links)
- Area of research
- An abstract of your proposed topic for collaboration
- Information about you (the researcher) and your institution
- CV of the lead applicant including publications

ODA- Official Development Assistance

- The UK's Newton Fund is classed as official development assistance (ODA)
- Newton Fund activities need to demonstrate that they are aiming to contribute to a reduction in poverty, and aim to further sustainable development (development that is likely to generate lasting benefits for the population of the country to which it is provided) or improve the welfare of the population of Newton Fund countries.
- Applicants should ensure they have considered existing advice on ODA eligibility

- Is the project addressing the economic development and welfare of the country in question?
- Are the countries involved on the [DAC List of ODA Recipients](#) (the Development Assistant Committee of the OECD)
- Is there a development need that my project or activity is addressing?
- Is this credible or is there evidence of the need?
- How would this project or activity be applied in the country?
- What would the impact of my project or activity be, and who would benefit?
- How does my project or activity contribute to sustainable development?
- Would this lead to a reduction in poverty in a developing country?
- What would success for this activity look like?
- How would success or impact be measured?

Newton UK – Thailand Research and Innovation Partnership Fund MOU Signing Ceremony

Between
British Council and The Thailand Research Fund
14th Jan 2015



Signing of the MOU: Deputy Prime Minister, TRF, British Embassy and British Council



Researcher Links Workshop on Robotics



Researcher Links Workshop on Robotics



Researcher Links Workshop



Professional Development: Midcareer Researchers at University of East Anglia



Researcher Links Workshop: Interview with Channel 3



Researcher Links Workshop on preserving indigenous language



Researcher Links Workshop on preserving indigenous language



Researcher Links Workshop on Rice



PhD Placement Orientation



Professional Development: Midcareer researchers at British Council UK

Newton UK-Thailand Research and Innovation Partnership Fund

Opportunities

- **Researcher Links: workshop grants**

British Council and TRF joint programme

<http://www.britishcouncil.org/education/science/current-opportunities/newton-workshops-april-2015>

- Collaboration between Thai and UK researchers to carry out workshop
- **Deadline: 13 July 2015**

- **PhD Placement (supervisors and scholars)**

British Council and TRF joint programme

<http://www.britishcouncil.or.th/programmes/education/our-work-support-higher-education-and-research-sector/phd-rgj-programme-grant-supervisors>

<http://www.britishcouncil.or.th/programmes/education/our-work-support-higher-education-and-research-sector/NewtonFund/phd-programme>

- Opportunities for PhD Placement for scholars and supervisors
- **Deadline: 11 September 2015**

UK-China-Philippines-Thailand-Vietnam **Joint Rice Research**

through BBSRC and

- UK Natural Environment Research Council (NERC)
- Chinese Academy of Agricultural Sciences (CAAS)
- **Thailand National Science and Technology Development Agency (NSTDA)**
- **Thailand Agricultural Research and Development Agency (Public Organisation) (ARDA)**
- Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development and Department of Science and Technology (PCAARRD DOST)
- Philippine Rice Research Institute, Department of Agriculture Philippines (DA PhilRice)
- International Cooperation Department Ministry of Science and Technology Vietnam (MOST)

<http://www.bbsrc.ac.uk/funding/opportunities/2015/newton-fund-joint-call-in-rice-research/>

- **Deadline: 13 August 2015**

Advanced Fellowships

through TRF & the National Academies of UK

- Royal Society for Science and Engineering:
3 grants/year
- British Academy for Social Science and Humanity:
2 grants/year

<https://royalsociety.org/grants/schemes/newton-advanced-fellowships/>

http://www.britac.ac.uk/funding/guide/newton_advanced_fellowships.cfm

- Opportunity for mid-career researchers
(5-15 year experience after PhD)
- Deadline: 16 September 2015

Mobility Grant

through OHEC & the National Academies of UK

- British Academy for Social Science and Humanity:
3 grants/year

http://www.britac.ac.uk/funding/guide/Newton_Mobility_Grants.cfm

- Opportunity for early-career researchers
(up to 10 year experience after PhD)
- Deadline: 16 September 2015

- **13 JULY 2015**

Institutional Links through STI & British Council
for establishing links between higher education, research
institutions and businesses on Development of Science
Technology and Innovation Policy Institution

Researcher Links Travel Grants through TRF & British Council
for up to 6 month travel grant to the UK / TH to conduct research

Professional Development through TRF & British Council
for soft-skills development of researchers and research project
officers

- **AUGUST 2015**

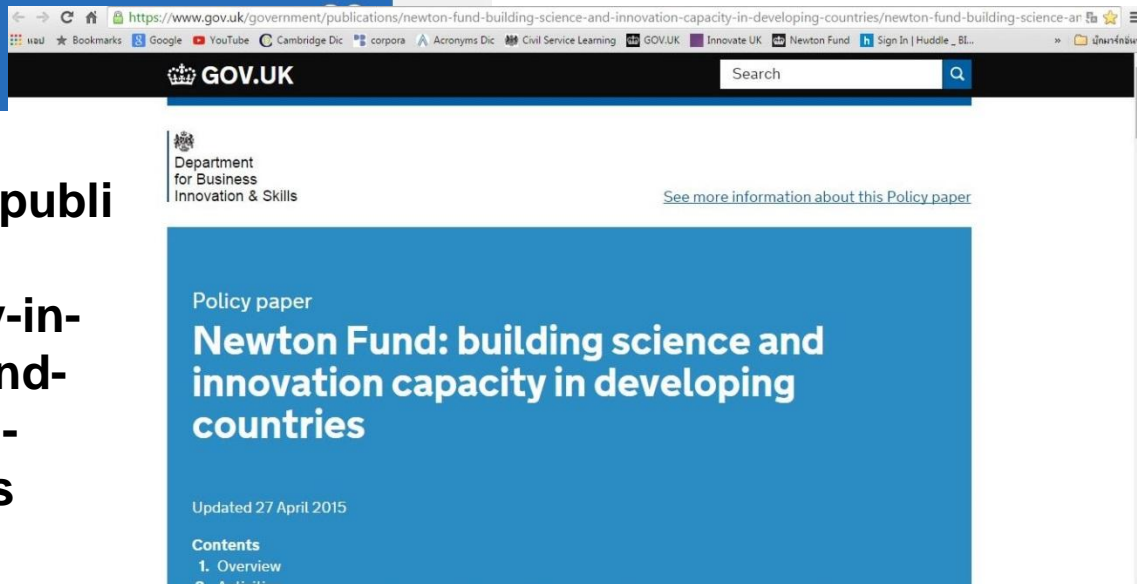
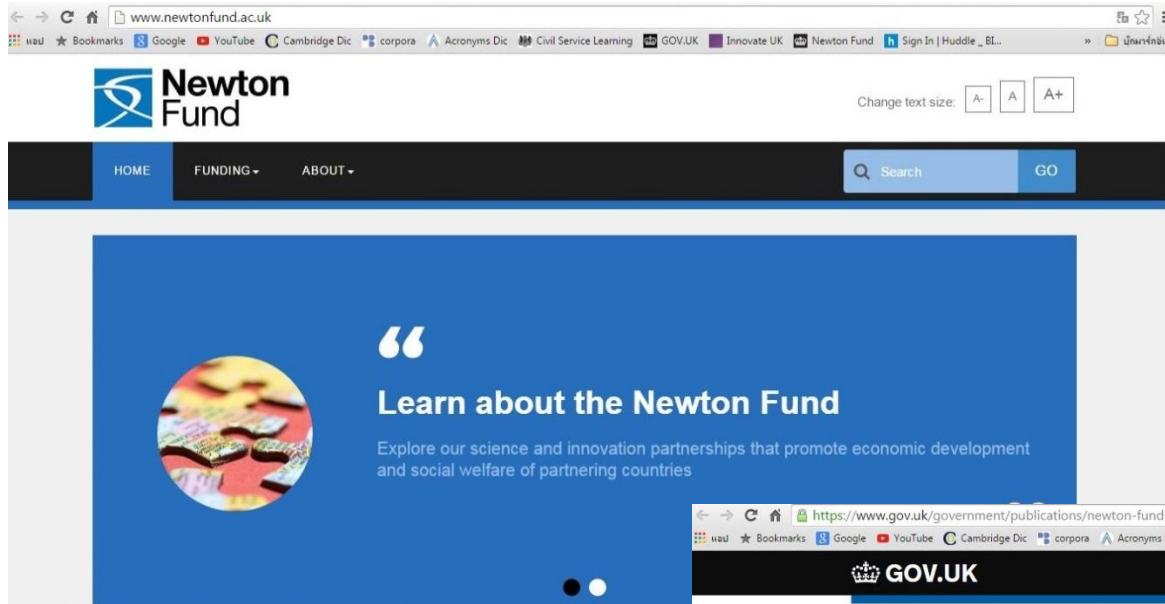
International Exchange (Mobility)

through OHEC & the National Academies of UK

- Royal Society for Natural Science and Engineering:
3 grants/year

All About Newton

<http://www.newtonfund.ac.uk/>



<https://www.gov.uk/government/publications/newton-fund-building-science-and-innovation-capacity-in-developing-countries/newton-fund-building-science-and-innovation-capacity-in-developing-countries>

THANK YOU



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Bangkok

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Contact us

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www.britishcouncil.or.th



RESEARCH **CONNECT**

www.britishcouncil.org

What is Researcher Connect?

- Researcher Connect is a series of short interactive professional development modules for researchers at **any** stage of their career and from **any** academic discipline.
- Researcher Connect offers a simple, but challenging strategy and tool kit for effective communication. Its secondary function is the development of critical thinking, reflective and critiquing skills.
- The key underlying principle of Researcher Connect is that our communications should be shaped by the audience, and knowing your audience is essential to successfully communicating with them.

Key points

- Face-to-face, experiential, interactive.
- A suite of 7 modules.
- A growing online resource, with pilot complimentary online courses working with Epigeum, a spin-off of Imperial College.
- Successfully piloted in 10 workshops across 5 continents

Benefits for the researcher

Researcher Connect provides participants with the insights, mind-set change, tactics and tools to communicate effectively whatever the situation or context.

It is part of a researcher's professional development, building communication skills as well as critical thinking, reflective and critiquing skills.

The course can lead to:

- **improved performance in publishing and presenting**
- **stronger international and private sector collaborations**
- **increased employability**

Benefits for the institution

Researcher Connect was developed in recognition that good communication skills are indispensable to the free flow of knowledge and ideas across cultures, and are integral to researchers and research institutions functioning at the international level.

Investing in the professional development of researchers can have huge benefits for the institution in which they work. These can include:

- **Stronger representation at conferences**
- **Increased publication rates**
- **Higher quality funding applications**
- **Stronger international reputation and ranking**

How does it work?

- Researcher Connect is a series of short courses offered on a modular basis.
- We have designed module packages, however you may also wish to select all of the courses, or only those of particular interest.
- The modules currently available are:
 - Know Your Audience (KYA)
 - Better Presentations (BP)
 - Writing for Publication: basics (WfPb)
 - Writing for Publication: getting published (WfPgp)
 - Effective Emails (EE)
 - Professional Proposals (PP)
 - Abstracts (ABS)
- Enrolled researchers also have access to complimentary online courses developed with Epigeum.

RESEARCH **CONNECT**

www.britishcouncil.org

For more information, please contact:

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(Partnerships)**

E-mail: Sarita.Suwannarat@britishcouncil.or.th

Tel: +66 (0) 2 657 5634