

Academy of Sciences Malaysia

Think Science. Celebrate Technology. Inspire Innovation

An agency under the Ministry of Science, Technology & Innovation

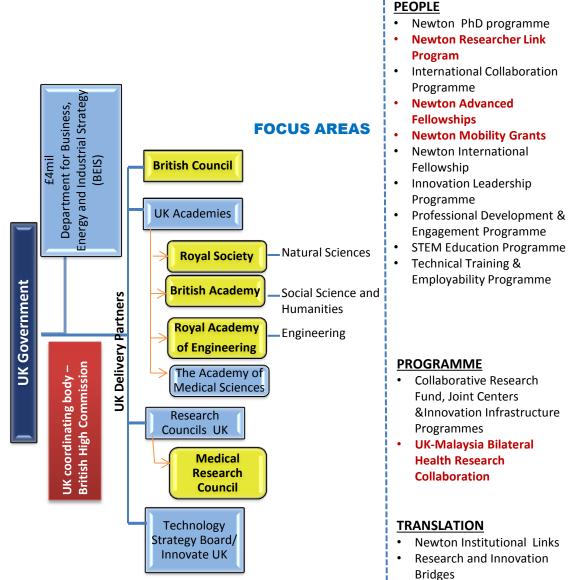
Newton-Ungku Omar Fund

Introduction

- Newton Fund is UK's official development assistance (ODA) to promote economic development and social welfare of partner countries.
- In partnership with Malaysia, the fund has been included as one of the initiative under the Science to Action (S2A) initiative and named as Newton-Ungku Omar Fund (NUOF).
- Through this NUOF, both countries provided match funding amounting to £ 4 Million per year.
- British High Commission and Malaysian Industry-Government Group for Technology (MIGHT) are the coordinating bodies that manage the implementation of the fund.

Newton-Ungku Omar Fund (NUOF)

- A collaboration programme between the UK and Malaysia Government to **develop collaboration on research and innovation**.
- Jointly established to address socio-economic issues in Malaysia.
- Expected to deliver outcomes through S2A Initiative to enable sustainable growth beyond 2020.
- NUOF covers activities ranging from:
 - a) Growing capacities of the Malaysian science and innovation community through fellowships, mobility schemes and joint centres;
 - b) Forging research collaborations on development topics; and
 - c) Establishing innovation partners and challenge funds to develop innovative solutions on development topics.



- · Government and **Innovation Agencies**
- Developing entrepreneurial knowledge and capability

FUND CATEGORIES

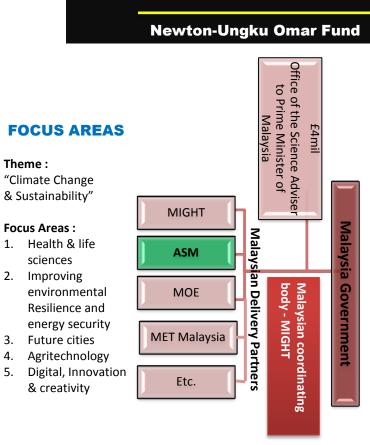
Theme :

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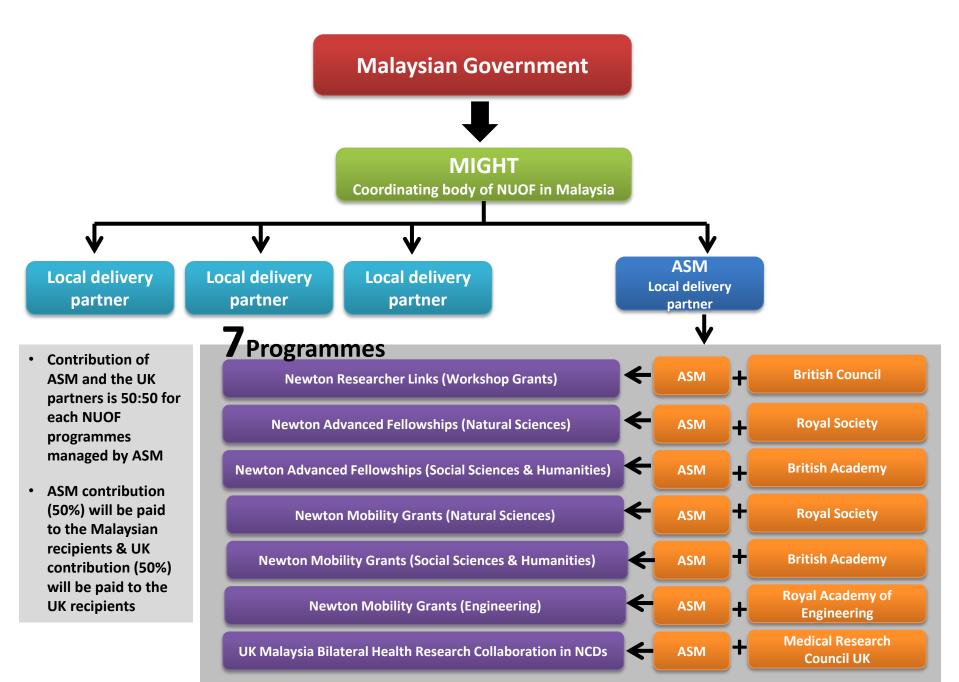
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Overall structure & Delivery Partners



NUOF Programmes Managed by ASM



NUOF Programmes Managed by ASM

1) Programme with British Council

a) Newton Researcher Link (Grant for Workshop)

Programme to **stimulate initial links** between, and **support capacity building** among, 'rising star' **early career researchers** in partner countries and the UK (Matching Fund: £125,000) – Annually until 2017

2) Programme with Medical Research Council UK

a) UK-Malaysia Bilateral Health Research Collaboration

Support Malaysian-UK research collaborations in Medical and Health Sciences (Matching Fund: up to £2 million) – Only 1 cycle that covers 2 years research collaboration (2017-2018)

NUOF Programmes Managed by ASM (cont'd)

3) Programmes with Royal Society, British Academy & Royal Academy of Engineering

a) Newton Advanced Fellowships

Provide established international researchers with an opportunity to **develop the research strengths and capabilities** of their research group **through training, collaboration and reciprocal visits** with a partner in the UK (Matching Fund: up to £1.036 million) – Annually until 2017

b) Newton Mobility Grants

Help **strengthen the research and innovation capacity** of researchers from partner countries by **assisting** them **in visiting or sending staff and students to the UK and developing networks, research projects and partnership**s with their UK hosts/counterparts and the wider UK research and innovation community. (Matching Fund: up to £276,000) – Annually until 2018

Current Opening

Calls	\$ Newton Fund Country Partner	¢	UK Delivery Partner 🝦	In Country Partner	\$ Call Open [‡]	Call Closes
WCSSP SE Asia - Tropical Cyclone predictions in Southeast Asia using numerical weather prediction	Indonesia,Malaysia,Philippines		Met Office		24 Oct 2016	18 Nov 2016

Website to refer for any NF or NUOF Opening & Link to the Details of Each Fund

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



ADVANCED FELLOWSHIP

- 1st call : Jan Feb 2017
- 2nd call : Jul Sept 2017

Advanced Fellowship

- For early to mid-career international researchers who have already established a research group or research network and have a research track record.
- To develop research strengths and providing support for more formalised training and development in collaboration with a UK partner.
- The fund to be used **to establish and develop collaborations** with the UK with the intention of transferring knowledge and research capabilities to partner countries.
- Covers salary top up, research support, training costs, and travel and subsistence.

Objectives of the Advanced Fellowship

- a. Support the development of a well-trained research community who, by transferring new skills and creating new knowledge, will create increased economic benefits and lead to changes in the wellbeing of communities.
- **b.** Strengthen research excellence in partner countries by supporting promising independent, early-career researchers, and their research groups and networks, to develop their research through training, collaboration, reciprocal visits, and the transfer of knowledge and skills from the UK.
- c. Establish long-term links between the best research groups (and networks) in partner countries and the UK to ensure that improvements in research capacity are sustainable in the longer term.

Eligibility Advanced Fellowship

Natural Sciences

- Applicants must have a PhD or equivalent research experience and hold a permanent or fixed-term contract in a University, academic research organisation or publically funded or not for profit research institution outside the UK, which must span the duration of the project. Collaborations should focus on a single project involving Malaysian and UK-based researcher.
- The Applicant must be working as an independent researcher at an overseas institution (in one of the eligible countries), and should not have more than 15 years of post-doctoral research experience.
- Applicants must either:
 - Hold a permanent independent research post in a University, academic research organisation or publically funded or not for profit research institution.

OR

 Hold a named, limited-tenured/fixed-term independent academic research post, obtained in open competition, and held in their own name in a University, academic research organisation or publically funded or not for profit research institution. Applicants must demonstrate that they have sufficient tenure in their post to cover the duration of the award.

Advanced Fellowship

Social Sciences

- The Malaysia-based researcher and the UK-based researcher **must have been awarded a doctorate, or have equivalent research experience** at the time of application. Applicants working towards a PhD, or awaiting the outcome of their viva/submission of corrections are not eligible to apply.
- Researchers should have **no more than 15 years** of postdoctoral research experience.
- The Applicant must be working as researcher at an eligible university or research institute in Malaysia. Applicants must demonstrate that they have sufficient tenure in their post to cover the duration of the award. Applicants who hold a fixed-term contract finishing before the end-date of the grant must secure confirmation through their Head of Department Statement that their contract will be extended to cover the duration of the award if their application is successful.
- Applications cannot be accepted from researchers in commercial organisations.
- The Malaysia-based applicant's employing organisation must be willing to agree to administer the grant.

Funding

Advanced Fellowships

British Academy	Royal Society
(Social Sciences and	(Natural Sciences and
Humanities)	Engineering)
 24 months £37,000 per year, £74,000 in total, with 50% of the funding paid by the Academy of Sciences Malaysia 	 36 months £37,000 per year, £111,000 in total, with 50% of the funding paid by the Academy of Sciences Malaysia

Funding – Budget Categories

Advanced Fellowship

The following costs will be provided annually up to

three years for Natural Sciences

two years for Social Sciences & Humanities

- Salary top up
 - (for the Malaysian-based Applicant only)
- Research support
 - Covering costs for a PhD studentships (excluding fees), staff, consumables or equipment.
- Travel and subsistence
 - Covering travel costs of the UK partner to the international partner and/or travel of the international partner to the UK.
- Training costs
- Maximum annual total

- : max £111,000/ 3 years
- : max £74,000/ 2 years
- :up to £5,000 per annum

:up to £15,000 per annum

:up to £12,000 per annum

:up to £5,000 per annum

:up to £37,000 per annum

References

Advanced Fellowships

British Academy	Royal Society
(Social Sciences and	(Natural Sciences and
Humanities)	Engineering)
 1 nominated referee 2 departmental support	 2 nominated references 2 departmental support
statements (HOD Malaysia &	statements (HOD Malaysia &
UK institution)	UK institution)

Online application via e-GAP & Flexi-Grant

Advanced Fellowships

British Academy	Royal Society
(Social Sciences and	(Natural Sciences and
Humanities)	Engineering)
 <u>https://egap.britac.ac.uk</u> Detailed guidelines is available in the grant scheme notes page 7-19 	 <u>https://e-gap.royalsociety.org</u> Detailed guidelines is available in the grant scheme notes page 7-26

Assessment Criteria

Advanced Fellowships

British Academy (Social Sciences and Humanities)

- Whether the proposal will support training and development of the Applicant and transfer of new skills to the Applicant's research group / network.
- The expected **benefits for the career development** of the Applicant.
- The expected **benefits to Malaysia**, in particular the extent to which the award will contribute to the transfer of knowledge and research capabilities which will contribute to advancing economic development and social welfare of Malaysia.
- The quality of the proposed research project and the track record of the Applicant and the UK Co-applicant in the area of proposed research.
- Evidence that the Newton Advanced Fellowship will lead to a longer term collaboration beyond the tenure of the award.

Assessment Criteria Advanced Fellowships

Royal Society (Natural Sciences and Engineering)

- Whether the proposed project will support training and development of the overseas researcher and transfer of new skills to the applicant's research group.
- The quality of the science, the proposed research project and the track record of the overseas applicant and the UK co-applicant in the area of proposed research.
- The **expected benefits** for the career development of the Applicant.
- Evidence that the Fellowship will **lead to a long-term collaboration** beyond the tenure of the award.
- The **additional be**nefits for the UK-based Co-applicant and host organisation.









MOBILITY GRANTS

- 1st call : Jan Feb 2017/18
- 2nd call : Jul Sept 2017/18

Mobility Grants

- To help strengthen the research and innovation capacity of researchers from partner countries by assisting them in visiting or sending staff and students to the UK and developing networks, research projects and partnerships with their UK hosts/counterparts and the wider UK research and innovation community.
- To cover costs of travel, subsistence and research expenses (minimal) for either a one-off short visit to explore opportunities for building lasting networks or for bilateral visits to strengthen emerging collaborations.
- intended to
- Stimulate new collaborations between scientists in the UK and Malaysia as well as initiate the development of longer-term links between the overseas and UK researchers.

Objectives of the Mobility Grants

- **a.** Strengthen research capacity of the partner countries by facilitating training and skill transfer from the UK to partner countries.
- **b.** Support excellent research by linking the best researchers in the UK with the best researchers and their groups in partner countries and providing support for initial exploratory research.
- c. Establish long term research links between both partners to ensure sustainable research capacity in partner countries and benefit to the UK research community in the longer term.

Mobility Grants

Natural Sciences

- Each research exchange should **comprise a partnership** between a UK based applicant (travelling to the Partner Country and/or hosting the co-applicant) and a Partner Country based co-applicant (travelling to the UK and/or hosting the applicant).
- All researchers involved in the exchange should have an excellent and established track record in research, hold a PhD and be in full time employment for the exchange duration. Funding of PhD student activities is not allowed under this scheme. Please contact the programme manager if you have any question regarding your eligibility.
- Applicants should be researchers from academic establishments or government-funded research institutes. Researchers from industrial establishments are not eligible to apply.

Mobility Grants

Social Sciences

- The Malaysia-based researcher must have been awarded a doctorate or have equivalent research experience at the time of application. Applicants working towards a PhD, or awaiting the outcome of their viva/submission of corrections are not eligible to apply.
- Both early career and established researchers are eligible.
- The Applicant **must hold a permanent or fixed-term contract in an eligible university or research institute in Malaysia**. Applicants **who** hold a fixed-term contract finishing before the end-date of the grant must secure confirmation through their Head of Department Statement that their contract will be extended to cover the duration of the award if their application is successful.
- Applications cannot be accepted from researchers in commercial organisations.
- The Malaysian-based applicant's employing organisation must be willing to agree to administer the grant.

Mobility Grants

Engineering

- The overseas based scientist and the UK based scientist **must have completed a PhD or have extensive experience at an equivalent level at the time of application**. If either the UK applicant or overseas applicant is a final year PhD student applications can only be submitted if the PhD will have completed before the start date of the proposed activity (including Viva). Confirmation of PhD completion will be required on acceptance if the application is successful
- The UK applicant and overseas applicant must hold a permanent or fixed term contract for the duration of the award in an eligible organisation in their respective countries. Ineligible organisations include industrial, private and commercial organisations, university spin-out companies, governmental bodies and research councils
- The UK applicant and overseas applicant must be based in their respective countries/institutions at the time of application

Funding

Mobility Grants

British Academy	Royal Academy of	Royal Society
(Social Sciences and	Engineering	(Natural Sciences
Humanities)	(Engineering)	and Engineering)
 12 months £10,000 in total, with 50% of the funding paid by the Academy of Sciences Malaysia 	 3-12 months £2,000 per month of exchange, up to £24,000, with 50% of the funding paid by the Academy of Sciences Malaysia 	 3-24 months Up to £12,000, with 50% of the funding paid by the Academy of Sciences Malaysia

Funding – Budget Categories

Mobility Grants

Natural Sciences

- 1. The funding available is dependent upon the length of the visit and the partner country.
- 2. Applicants may request:
 - \cdot up to £3,000 for one-off travel lasting up to 3 months
 - \cdot up to £6,000 for multiple visits to be completed within 1 year (including a maximum of £1,000 for research expenses)

• up to £12,000 for multiple visits to be completed within 2 years (including a maximum of £2,000 for research expenses)

Funding – Budget Categories

Mobility Grants

Social Sciences

 Travel and Subsistence Cost. Grants are offered up to a maximum of £10,000 for one year. The British Academy will contribute £5,000 with an additional £5,000 made available from Academy of Sciences Malaysia (ASM).

Engineering

 Travel and Subsistence Costs for international exchanges between Engineering researchers in the UK and Malaysia. £2,000 per month of exchange, up to £24,000, with 50% of the funding paid by the Academy of Sciences Malaysia

References

Mobility Grants

British Academy	Royal Academy of	Royal Society
(Social Sciences	Engineering	(Natural Sciences
and Humanities)	(Engineering)	and Engineering)
 2 departmental support statements (HOD Malaysia & UK institution) 	 2 departmental support letter (HOD Malaysia & UK institution) 	 2 departmental support statements (HOD Malaysia & UK institution)

Online application

Mobility Grants

British Academy (Social Sciences and Humanities)	Royal Academy of Engineering (Engineering)	Royal Society (Natural Sciences and Engineering)
 <u>https://egap.brita</u> <u>c.ac.uk</u> Detailed guidelines is available in the grant scheme notes page 7-18 	 <u>https://grants.rae</u> <u>ng.org.uk</u> Detailed guidelines is available in the grant scheme notes page 4-13 	 <u>https://e-gap.royalsociety.o</u> <u>rg</u> Detailed guidelines is available in the grant scheme notes page 7-20
e-GAP	RAEng online	Flexi-Grant

system

Assessment Criteria Mobility Grants

British Academy (Social Sciences and Humanities)

- Whether the proposal will support training and development of the Applicant and transfer of new skills to the Applicant's research group / network.
- The **expected benefits for the career development** of the Applicant.
- The **expected benefits to Malaysia**, in particular the extent to which the award will contribute to the transfer of knowledge and research capabilities which will contribute to advancing economic development and social welfare of Malaysia.
- The quality of the proposed research project and the track record of the Applicant and the Co-applicant in the area of proposed research.
- Evidence that the Newton Mobility Grant will **lead to a longer term collaboration** beyond the tenure of the award.

Assessment Criteria

Mobility Grants

Royal Academy of Engineering (Engineering)

- Newton Fund and ODA
- The applicants' excellence
- Goals and objectives
- Dissemination, collaboration, impact
- Wider benefit and impacts
- Future plans
- Institutional support

Assessment Criteria Mobility Grants

Royal Society (Natural Sciences and Engineering)

- The training and development of the overseas researcher and the transfer of new skills to the applicant's research group
- The research background of the UK and overseas scientist
- The **strength of the scientists and inst**itution in the area of proposed research
- The mutual benefit of the collaboration
- The strength of the proposal
- The **potential contribution** to the overseas and UK science base
- The potential for long-term collaboration







NEWTON RESEARCHER LINKS (WORKSHOP GRANTS)

- 1st call : Apr June 2017
- 2nd call : Jul Sept 2017

Overview

- As financial support to bring together a UK/partner country early career researchers to take part in workshops to:
 - Build research capacity in developing economies
 - Building links for future collaboration
 - Enhancing the researchers' career opportunities
- Each workshop will be coordinated by 2 Leading Researchers:
 - one from each country
 - focus either on a specific research area or on an interdisciplinary theme
- For the workshop, Workshop coordinators can identify up to 4 additional Leading or Established Researchers (2 from each country) to be involved in the workshop as mentors.
- Participants must be researchers at an earlier stage in their career.

Scope of the Programme

All Researcher Links-funded workshops will have 3 overarching objectives:

- a) Support international development-relevant research
- **b)** Contribute to capacity building of early career researchers
- c) Establish new research links or significantly develop existing links, with the potential for longer term sustainability

Relevance to Economic Development & Social Welfare

- Potential to contribute to the economic development and social welfare of Newton Fund low- and middle-income countries, benefitting poor and vulnerable populations in these countries.
- All proposals must clearly articulate a plausible pathway to positive impact on these populations within a short- to medium-term timeframe (3-15 years).

Research Priorities

Theme :

Climate Change & Sustainability

Focus Areas:

- Health & life sciences
- Improving environmental resilience and energy security
- Future Cities
- Agritech
- Digital, Innovation & Creativity

Proposals in the <u>Chemical Sciences</u> would also be welcome and, if selected, may be co-funded by the Royal Society of Chemistry.

Detailed Specification

Leading the Workshop

- Leading Researchers should apply as workshop coordinators.
- The proposal must be a joint application:
 - 1 coordinator based at a UK institution
 - 1 based in the partner country.
- Only 1 application can be submitted per Leading Researcher, but there is no limit to the number of applications submitted per institution.

Location of the Workshops

- Workshops should be held in Malaysia.
- However, if the particular technology is only available in the UK, the workshop can be held in the UK but the <u>concrete</u> <u>evidence and demonstrate tangible benefits to Malaysian</u> <u>early career researchers</u> should be provided.

Duration of the Workshops

- Minimum: 3 days
- Maximum: 5 days

Timing of the Workshops

Workshops should take place between:

- November 2017 and March 2018 (1st call Apr 2017)
- April 2018 and January 2019 (2nd call Jul 2017)

Participation in the Workshops

- Between 15 and 20 researchers from each country can take part in each workshop.
- Participants must be based in the UK or in the partner country; if coordinators wish to bring in participants from a third country:
 - Must be discuss with the British Council & ASM
 - Travel costs of the third country researcher may not be covered under the budget
- The coordinators can propose up to two additional Leading/Established Researchers from each country to act as mentors .
- The remaining workshop places will be allocated to participants (early career researchers) :
 - Have been awarded PhD not more than 10 years prior to the workshop.
 - If a researcher does not hold a PhD, but has research experience equivalent to a PhD holder and works in a field where a PhD is not a pre-requisite for established research activity, they will still be considered eligible.

Role of the workshop coordinators

- Determine the workshop theme, shape the content/agenda of the workshop and submit the online application form along with a budget request.
- Responsible for selecting early career researchers to participate in the workshop if the proposal is successful.
- Responsible for all workshop logistics (including travel arrangements for participants and booking of the workshop venue).

Role of the Mentors

- Should also act as mentors to the early career researchers during the workshop, sharing their experience and knowledge and to deliver keynote lectures.
- After the workshop, mentors are encourage to remain in contact with the early career researchers to share networks and contacts.

Language

- Workshops will be held in English.
- It is expected that all participants will have a sufficient standard of English to engage fully in discussion.

Content of the workshop

- Focus on promoting international collaboration.
- Sessions should be designed to be as interactive as possible, and participants encouraged to share knowledge, experience and ideas.
- Workshop coordinators and mentors should share their expertise.
- A professional facilitator may be used during the workshop if it is felt that this would support optimal interaction.

Suggested sessions

- a) Formal **keynote lectures** by the workshop coordinators and mentors.
- **b) Research sessions** where the early career researchers are able to share their current research.
- **c)** Networking sessions where researchers are able to interact and explore opportunities for collaboration .
- d) Overview of the research base and funding opportunities in UK.
- e) Career development opportunities in the UK and partner country.
- **f)** How to form international collaborations (intercultural skills, challenges, opportunities, best practice etc.).

Optional content

- a) Depending on the research field or theme of the workshop, coordinators may wish to include a session which invites industry or other non-academic partners to **talk about cross**sectoral collaboration
- b) Public engagement activity
- c) Cultural activity
- d) Visit to a relevant research facility

Recruitment of participants:

- Successful workshop coordinators will be responsible for recruiting participants to the workshops through a fair and transparent process.
- There must be an open call for participants which must be disseminated through various defined channels.
- Template application form for participants will be provided by British Council/ ASM.
- Once recruitment is completed, workshop coordinators must submit the list of participants to the British Council / ASM for approval.
- No more than a third of early career researchers from each country may be recruited from within the institutions of the coordinators and mentors.

Eligibility

- 1) Local lead applicant must be a Malaysian citizen and based in a public or private universities in Malaysia.
- 2) Must aligned with the priority areas.
- 3) Applicants must have the capacity to administer a grant and fulfil British Council requirements.
- 4) Only one application per coordinator can be submitted in each round.
- 5) Workshop will take place between the time frame mentioned in the open call.
- 6) The institutions of the workshop coordinators are recognised publicly funded research establishments or Higher Education Institutions (can include private universities).

Funding

- Grant will be paid to the workshop coordinator's home institutions.
- Staff costs and honoraria cannot be covered by this grants.
- Only £2,000 can be requested to cover administrative costs.
- Requested budget should reflect the maximum number of participants per workshop (Up to 40)
- Grant is calculated using the flat rates and maximum contributions as stipulated in the funding guidelines – Annex 1 (available online).

Funding – Budget Categories

- International travel : Return flight ticket, ground transport, visa and travel insurance.
- **Domestic travel :** travel costs for local workshop participants based in the country where the workshop takes place and is specific to that country.
- **Subsistence :** costs of accommodation, medical insurance and daily expenses such as phone and local transport.
- Event costs: costs of venue and meals.
- **Contribution to additional event costs :** Workshop Coordinator can request a sum to cover:
 - Additional event costs e.g. project, flip charts and other materials needed
 - Administrative costs e.g. printing, stationary etc.

Note: This funding is intended towards costs of the workshops. Workshop Coordinators are expected to add a contribution in-kind towards the overall costs.

Grant Rates

- Workshop in Malaysia
 - International travel : £1,000 per pax
 - **Domestic travel :** £150 per pax
 - Subsistence per person per day: £70
 - Event costs per person per day: £30
 - Additional workshop costs (maximum): £2,200
- Workshop in UK
 - International travel : £1,000 per pax
 - Domestic travel : £150 per pax
 - Subsistence per person per day: £100
 - Event costs per person per day: £50
 - Additional workshop costs (maximum): £2,200

Funding – Payment

- Pre-financing payment
 - 90% of the approved budget will be transferred within 30 days of British Council signature of the Grant Agreement.

- Post-workshop payment or recovery of the balance
 - Final payment will be made upon submission of final report of the workshop within 30 days.
 - If the workshop has not been delivered as planned, or if fewer participants attended than originally envisaged, resulting in a reduction in costs, the final payment may be withheld and if necessary a proportion of the grant recovered.

Submission

 Application online at <u>https://apply.gmt.britishcouncil.org/outreach/Newton_RLWor</u> <u>kshopsGrants_Application.ofml?_ga=1.57016930.916363224.</u> <u>1421715616</u>

Further Info

Researcher Links (Workshop Grants)

https://www.britishcouncil.org/education/science/current-opportunities/workshopgrants-newton-july-2016

Advanced Fellowships – Royal Society

https://royalsociety.org/grants-schemes-awards/grants/newton-advancedfellowships/

Advanced Fellowships – British Academy

http://www.britac.ac.uk/newton-advanced-fellowships

Mobility Grants – Royal Society

https://royalsociety.org/grants-schemes-awards/grants/newton-mobility-grants/

Mobility Grants – British Academy

NA

Mobility Grants – Royal Academy of Engineering

http://www.raeng.org.uk/grants-and-prizes/international-research-andcollaborations/newton-fund-programmes/newton-research-collaboration-programme

ASM Contacts

- 1) Asyraf Saedon (Tel: 03-6203 0633; Email: asyraf@akademisains.gov.my)
- Engku Sharmila Engku Abd Latif (Tel: 03-6203 0633; Email: <u>sharmila@akademisains.gov.my</u>)

