**Application for Scanning Projects**

March 2019

**Applicant Details**

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| NAME: |  |
| CURRENT POSITION: |  |
| DEPARTMENT: |  |

**Project Details**

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| --- | --- |
| TITLE OF PROJECT: |  |
| PROJECT FUNDER: |  |
| PROJECT COST CENTRE (IF KNOWN): |  |

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| RESEARCH ABSTRACT:(Concise summary of the main aspects of the project including background, aims, methodology, anticipated results and added value to the research field. Max 250 words)  |
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| LAY SUMMARY: (Clear & concise project description including what you’re doing, why you’re doing it, how you will go about the research & what will be gained by performing the study. Max. 150 words) Contact cme@kcl.ac.uk if you would like this reviewed. |
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| ANTICIPATED IMPACT:(Explain the scientific, clinical, economic, societal or other impact that the proposed research is expected to produce with a maximum of 150 words)  |
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| JUSTIFICATION FOR CENTRE OF MEDICAL ENGINEERING SUPPORT: (150 words)  |
| 1. *Relevance to aims of Centre* [*https://medicalengineering.org.uk/*](https://medicalengineering.org.uk/)
2. *Outline why pump-priming support rather than a conventional grant application or other funding source is appropriate for this project*
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| BENEFITS & EXPECTED OUTCOMES:(Examples: grant funding to be sought (which funder, expected timeframes), publishing a high impact paper, clinical translational opportunity. As specific as you are able. 150 words)  |
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**Scanning\***

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| TYPE OF SCANNING TO BE PERFORMED: | **MRI** **[ ]  PET-MRI** **[ ]  Pre-Clinical** **[ ]** **Catheterization Lab [ ]**  |
| SCANNER TO BE USED: | **7T** **[ ]  3T at CNS** **[ ]  XMRI (MR)** **[ ]** **XMRI (Cath) [ ]  XMRI (combined) [ ]  HIFU Facility [ ]** **Rayne 3T [ ]  Ingenia 1.5T [ ]  Hydra 3T [ ]** **ENIC 3T** **[ ]  PET-MRI** **[ ]  NanoPET/CT** **[ ]** **9.4T** **[ ]  NanoSPECT/CT** **[ ]  IVIS [ ]** **PET CT [ ]**  |
| NUMBER OF SCANS TO BE PERFORMED & DURATION (HOURS): |  |
| TOTAL SCAN COSTS REQUESTED (see Guidance notes): |  |
| DATE OF PROJECT: | **FROM: TO:**  |

 \*Double click box to enter checkmark

**Ethics/ Regulatory Details\***

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| ANIMAL USE:NOTE: UNFORTUNATELY FUNDING RULES DO NOT ALLOW ANIMAL COSTS TO BE INCLUDED | [ ]  No animals being used |
| [ ]  Animals will be used Species:       |
| Animal use planned is: [ ]  Compliant with appropriate legislation[ ]  With approval from the Home Office/ Ethical BodiesPPL Number:       |
| ETHICS APPROVAL: | Participants will be:[ ]  Patients [ ]  Healthy Volunteers |
|  | Ethics approval obtained:Yes [ ]  REC Number:      No [ ]  |

 \*Double click box to enter checkmark

**Costs Requested and Justification** *Add extra lines as necessary*

*Appropriate costs: scanning costs & supporting costs (e.g. reagents, salary)*

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| Type | Description | Justification | Total |
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| **TOTAL REQUESTED\*:** |  |  |   |
| *\* £4k min £20k max*  |  |  |  |

**NOTE: UNFORTUNATELY FUNDING RULES DO NOT ALLOW ANIMAL COSTS**

**Applicant’s Signature**

I declare that the information provided is true and accurate. If the grant is successful, I agree to accept responsibility for the day to day running of the grant and will abide by [the terms and conditions of funding.](https://wellcome.ac.uk/sites/default/files/grant-conditions-2018-may.pdf) *E-signature is accepted.*

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| --- | --- |
| Name: |  |
| Signature: |  |
| Date: |  |

**Guidance Notes**

**SUPPORT AVAILABLE**

In this round, we have £200k available to support studies between £4k-£20k where no existing funding is available. Allocation of funds will be decided by a multi-disciplinary panel and will be based on merit and justification for the level of support requested.

**ELIGIBILITY**

Researchers based within the Centre of Medical Engineering (School of Biomedical Engineering & Imaging Sciences or Department of NeuroImaging).

**WHAT WE’RE LOOKING FOR**

You should identify an important question that’s within the Centre’s Research Themes (Physics and Engineering, Computer Science and Chemistry) and Clinical Challenges (Cardiovascular, Neurology and Cancer).

We will review:

* the scientific merit of your proposed project
* the significance of the research
* the feasibility of your proposal

**WHAT WE’RE NOT LOOKING FOR:** This scheme is not a means by which to merely extend existing studies or supplement scanner income.

**COSTS GUIDANCE** *– recommended to check costs* **NOTE: UNFORTUNATELY FUNDING RULES DO NOT ALLOW ANIMAL COSTS**

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| **Cost type** | **Cost/who to contact** |
| Pre-clinical costs – BMEIS | If not listed below, contact: BMEIS-grant-applications@kcl.ac.uk* nanoPET/CT and nanoSPECT/CT: £714 per 4-hour slot for animal work and £137.25 per 1-hour slot for phantoms
* 9.4T: £335 per 4-hour slot
* 3T: £448 per hour for clinical work
* IVIS: £55 per hour
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| Pre-clinical MRI costs – [The BRAIN Centre](https://brain-imaging.org/) | Contact: Diana.cash@kcl.ac.uk £153-190 per hour |
| Cost of animals  | Visit BSU website under costing grants and BSU external suppliers:<https://internal.kcl.ac.uk/health/research/corfu/bsu/index.aspx> |
| Clinical scan costs - BMEISIf not listed, contact BMEIS-grant-applications@kcl.ac.uk | \*IF YOUR PROJECT INVOLVES **NHS PATIENTS** CONTACT BMEIS-grant-applications@kcl.ac.uk AT EARLIEST OPPORTUNITY\** 7T MR scanner: £750 per hour (contact jo.hajnal@kcl.ac.uk)

**MRI:** * £429 per hour (adult)
* £895 per scan (neonatatal)
* £642 per scan (fetal)

**PET: mandatory to contact** **Pallavi.patel@kcl.ac.uk** **in advance**PET-CT: £1200 per hour PET-MRI: £2345 per hour *all costs exclude tracer* |
| Clinical Scan costs – CNS | Louise.morgan@kcl.ac.uk & scanningcostings@kcl.ac.uk hourly rate: £487. *It is advisable to get in contact to check costs.* |
| Salary | BMEIS-grant-applications@kcl.ac.uk or find an approximation [**here**](https://www.kingshealthpartners.org/assets/000/002/154/Tariff_KHP_Summary_FEB19_START_original_original.pdf) |

**HOW TO APPLY**

Fill out the form attached by midnight Sunday 5 May 2019 and send it to the CME inbox: cme@kcl.ac.uk. Please do get in contact via cme@kcl.ac.uk if you have any questions as this can be a fairly interactive process.

**TIMELINES**

Call opens: Wednesday 20 March 2019

Call closes: Midnight Sunday 5 May 2019

Funding starts: earliest June 2019. Please get in contact if queries about dates.

**IF AWARDED…**

* You will be expected to provide financial and scientific reporting appropriate for the length and value of the grant. Unspent money at the end of the grant will need to be returned.
* Understandably, plans can change! – however, any deviation from the project plan must be discussed and agreed in advance
* All grants must acknowledge the support of the centre, and a copy of papers resulting sent to the CME mailbox.