Rosetrees 2022 Interdisciplinary Award
Artificial Intelligence/ Machine learning and Medicine
UCL internal process – deadline 1st March 2022

*The Rosetrees Trust has invited UCL to submit one application to its 2022 Interdisciplinary Award call by the deadline of **28th April 2022**. An internal selection process is being coordinated by the Research Coordination Office for Life and Medical Sciences.*

Call web page: https://rosetreestrust.co.uk/interdisciplinary-award-applications/

Key dates

Deadline for internal outline proposals	1st March 2021
Decisions communicated to applicants	w/c 7th March 2021
Rosetrees deadline for full proposal	28 April 2022 (5pm)

The Rosetrees Trust Interdisciplinary Award 2022
The aim of the Award is to encourage collaboration between Clinicians/Scientists and experts in Artificial Intelligence/Machine Learning. The hope is that the merging of skills and experience in these areas will lead to innovative research that addresses unmet clinical needs. Proposals must include details on how artificial intelligence and machine learning can result in patient benefit within 5-10 years.
Applications:
• must be interdisciplinary, and clearly represent collaboration between medicine and AI/ML.
• can relate to any disease or medical condition that affects the population.
• should have two named lead applicants (any number of other applicants can also be involved), who must be academic staff on permanent contracts.
Projects that address logistical problems within the NHS that will result in more efficient services, reduce costs and/or improve patient experience are of interest.

In previous years, the full application to the Rosetrees Trust consisted of:
1) 50 word lay overview
2) 500 word lay abstract
3) 6 page technical report inclusive of supporting figures and references
4) CVs of the two lead applicants and co-applicants (max. 2 pages, including the 5 most recent and 5 most relevant publications, and grants held as PI and Co-I)
5) letters of support from collaborators
6) letter of support from relevant faculty heads
7) application form (applicant details, project details, financial details, future plans/project impact)

Reviewers will assess a range of criteria including:
• experience and track record of the lead applicants
• importance of the research
• the interdisciplinarity of the project
• how well placed the researchers are to carry out the study
• impact of the research, and potential for translation and future clinical benefit
• whether the scale and nature of funding is appropriate

The winning project will receive a **£300,000 award over three years** to cover directly incurred costs (including salaries, consumables and animal costs). The Trust will also consider travel costs (max. £1,000). *Directly allocated costs, indirect costs and PhD tuition fees will not be funded.*

The UCL internal selection process

Internal outline proposals should be submitted to our research facilitation team (slms.facilitators@ucl.ac.uk) by **1st March 2021**. Heads of both lead applicants' departments should be copied into the submission email to confirm their approval of the application.

 Internal outline proposals should consist of:
1) A **max two-page technical report** inclusive of supporting figures and references, which outlines the following:
   - Project background – identifying the problem, the aims & objectives of the study, and translational impact
   - Researchers involved, nature of interdisciplinarity and relevant experience of applicants
   - Plan of research study – what is involved & approach to be taken, and any preliminary data & contingency planning
   - Milestones & expected costs (does not need to be a complete breakdown, just a statement of how money will be used i.e. salary, PhD studentships, consumables)
   - Plan for clinical translation – the potential impact of the project, the next stages of research to achieve patient benefit and timeframes
2) **Max two-page CVs for the two lead applicants**

Outline proposals will be reviewed by an internal panel, who will use the same assessment criteria as the Rosetrees panel of independent reviewers.

Please contact **David Wiseman** at slms.facilitators@ucl.ac.uk with any questions.