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| Host department:Nottingham |
| Project Title: |
| Exploring the use of novel citizen science approaches to the design and conduct of clinical trials in eczema  |
| Proposed supervisory team:  |
| Kim Thomas – Prof of Applied Dermatology Research, co-lead for the RAPID citizen-science programme grant, expertise in clinical trials and outcome developmentOther possible supervisors base in Southampton (Prof Miriam Santer, Dr Ingrid Muller) and Bristol (Prof Matthew Ridd) depending on the preference of the student and project chosen.Intervention development and citizens science expertise is available in Southampton, clinical trials, shared-decision making and outcomes expertise is available in Bristol. |
| Potential for cross consortium networking and educational opportunities: |
| This project will be based at the Centre for Evidence Based Dermatology ([www.nottinhgam.ac.uk/dermatology](http://www.nottinhgam.ac.uk/dermatology)), but will link across three existing SPCR Schools in Nottingham, Southampton and Bristol.Opportunities for accessing training opportunities delivered in each centre with be availableJoining the NIHR SPCR Skin Special Interest Group will be encouragedProjects supported by Nottingham Clinical Trials Unit with opportunities for clinical trials training and shadowing |
| Project description: |
|  This PhD would be conducted working alongside a funded NIHR Programme grant to design and deliver citizen science clinical trials in eczema.  The student would have an opportunity to work alongside an experienced multidisciplinary team and co-design groups to develop a project that would complement, or otherwise add value to, the existing proposed body of work.  The exact project could be developed and refined by the student but could include:  * Developing one of the citizen science priority questions to develop an intervention in partnership with people with eczema, and test it in an online trial
* Exploring the role of citizen science in delivering clinical trials – lessons for other disease areas
* Evaluation of outcome assessment instruments and testing an Artificial Intelligence image assessment tool, including exploring opportunities for implementing the tool into clinical care and research

 There are opportunities to co-supervise this PhD across different Schools/Universities within the NIHR School for Primary Care Research (including Nottingham, Southampton and Bristol).  Further information can be obtained from Prof Kim Thomas (kim.thomas@nottingham.ac.uk)   |

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| Training and development provision by host: |
| *Formal training:* 3-day Better Evaluation of Evidence and Statistics course at Centre of Evidence Based Dermatology (Nottingham)Clinical Trials Training (Nottingham)Person-based Approach to intervention development (Southampton) |
| *Informal training:* A range of training course available through host institution |
| *PPIE:* The Centre of Evidence Based Dermatology has an established Patient Panel including over 30 individuals with an interest in research into skin conditions.This project would involve working in partnership with people with eczema to co-design and deliver research that addresses James Lind Alliance Priority Setting Partnership prioritised questions, using citizen science methodologies. |