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| Division | Warwick Clinical Trials Unit |
| Project Title: | Critical care research Emergency care research Pre-hospital research Peri-operative research Resuscitation research |
| Degree | PhD / MD / MSc by Research |
| Mode of Study (delete as appropriate): | Full time / part time |
| Project suitability (delete as appropriate): | Home / EU / Overseas |
| Supervisor(s): | To be determined by project- group members include: Prof Gavin Perkins Dr Joyce Yeung Dr Keith Couper Dr Claire Hawkes Dr Mike Smyth |
| Funding body (please tick as appropriate): | Chancellors International Scholarship X WMS Scholarship X WCPRS X Self-Funded X Where required, potential applicants will be supported to apply for funding to support salary and research costs. Additional funding streams include the National Institute for Health Research fellowship stream and charitable funding |
| Has the funding been awarded?: | No |
| If the project requires consumables, please specify the amount and who is responsible for covering the cost: | N/A |
| Project Summary including key research questions, aims and anticipated outcomes (max 300 words) | |
| The emergency and critical care research group based at Warwick Clinical Trials Unit has opportunities for students to undertake higher research degrees. Our group continues to develop and expand. We specialise in health services research (including clinical trials, | |

observational research and evidence synthesis) in the clinical areas of critical care, pre-hospital care, emergency care, peri-operative care, and resuscitation.

The multidisciplinary group, led by Professor Gavin Perkins, has a strong track record in delivering high-quality research. Our aim is to conduct patient-centred research in order to improve patient outcomes from acute and critical illness. There are opportunities for developing skills in a range of research methodology including evidence synthesis, health technology assessment, multicentre pragmatic clinical trials, outcome registry, observational studies, health service research and mixed methods. Team members include medical doctors, nurses, paramedics, and methodologists. Recent high-profile studies include the Breathe study (trial of weaning strategy following a failed spontaneous breathing trial in critical care) and PARAMEDIC-2 (trial of adrenaline in out-of-hospital cardiac arrest). We host the UK Out-of-Hospital Cardiac Arrest registry. The group has strong collaborative links with other groups with similar research interests, both within the UK and internationally.

High-quality applicants will be supported to develop their programme of research for their higher degree in order to make an application for funding. We have a track record of NIHR fellowship success at both the doctoral and post-doctoral level.

The groups welcomes applications from both clinical and non-clinical researchers.

Describe the methodology and techniques to be employed (max 200 words)

The group conducts applied health services research within our areas of clinical interest. We have a particular interest in observational research, clinical trials, and evidence synthesis.

Depending on the nature of the planned project, methodological support will be provided by other supervisors within the medical school, other university departments, or other institutions (e.g. statistical, qualitative, geographical, digital healthcare, public health).

We encourage the development of ambitious, but realistic, programmes of work that answer clinically important questions that will impact delivery of care within the NHS.