# Lothian Clinical Academic Pathways Partnership

# Clinical Academic Research Gateway Funding

# First Steps into Research Opportunities 2025

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| Institution & Department  Research Centre (if appropriate) | Strathclyde Institute of Pharmacy and Biomedical Sciences (SIPBS), University of Strathclyde;  Pharmacoepidemiology and Health Service Research |
| Contact – name, role & email | Professor Marion Bennie; [marion.bennie@strath.ac.uk](mailto:marion.bennie@strath.ac.uk)  Dr Tanja Mueller, Lecturer; [tanja.muller@strath.ac.uk](mailto:tanja.muller@strath.ac.uk)  Dr Amanj Kurdi, Reader; [amanj.baker@strath.ac.uk](mailto:amanj.baker@strath.ac.uk) |
| Research Project/Programme Title | A computerised clinical decision support tool(s) to improve antipsychotic prescribing among hospitalised patients in the acute care setting in Scotland |
| Details of Research Project / Programme – *including funder, team members, methodology, stage of implementation* | This is a 5-year project funded by HDR UK Driver Programme. The project started in April 2023.  This project aims to improve the appropriate prescribing of antipsychotics among hospitalised people using computerised clinical decision support tool(s), with the ultimate goal of improving patients’ safety and reducing harms. The programme objectives are:   1. To conduct a systematic literature review of antipsychotic treatment in the acute setting (both mental health and non-mental health inpatient hospitals) 2. To quantify the use of high dose antipsychotics in the acute setting in Scotland (and potentially the UK through collaboration with other partners across the UK) 3. To profile and characterise the patient cohort using high dose antipsychotics in the acute setting 4. To co-design a computerised clinical decision support tool (early prototype) targeting high-dose antipsychotic prescribing in the acute setting 5. To test and pilot the early designed prototype for feasibility, usefulness and ease of use. |
| Opportunities for candidate  *e.g. attending meetings; data collection; data management; analysis; ethics application; dissemination activities*  (bullet points) | University colleagues who are part of this project are predominantly from the [Pharmacoepidemiology & Health Care Research Group (PEHCR)](https://www.strath.ac.uk/research/subjects/pharmacybiomedicalsciences/pharmacoepidemiologyandhealthcare/), but this project is part of a UK wide national programme. Opportunities could include:   * Meet with Post doctorate (PDRA) and researchers to better understand the academic career pathway and the role of clinicians in research * Attend research team meetings * Attend research seminars hosted by PhD students, researchers and academics which may involve presentations, participating with a journal club, or reviewing academic writing * Act as an advisor to review documentation aimed at different stakeholders (e.g., lay summaries) * Support the literature search process by identifying newly published research of relevance and/or supporting study selection and data extraction * Support writing data access application form including an understanding of this process * Support data generation activities (e.g., participant recruitment, data collection, analysis, report writing) * Support research dissemination activities (e.g., develop a poster / abstract from research findings) * Integrate with a team actively writing a paper to understand the publication process |
| Any other considerations or information for potential candidates? (e.g. potential links to other projects, networking opportunities, specific skills needed) | This project is amid to use NHS Lothian as a test site and we have already in engaged with the mental health clinical community at NHS Lothian. |
| Dates available (awards likely to be made Feb/Mar 2024 for start in Mar/Apr 2024) | January 2024 onwards  Dates can be flexible depending on applicant’s preference. A calendar of Pharmacoepidemiology & Health Care Research meetings and events can be disseminated in advance for the applicant to identify those of most interest. |
| Mentor(s) | To be decided upon depending on applicant’s identified support needs |