

JOB DESCRIPTION
Vacancy Ref: A2844

Job Title: Senior Research Associate in High-Dimensional Longitudinal Methods	Present Grade: 7
Department/College: Lancaster Medical School	
Directly responsible to: Frank Dondelinger	
Supervisory responsibility for: N/A	
Other contacts	
Internal: Prof Peter Diggle, Relevant Admin Staff	
External: Co-Investigators Dr Mauricio Alvarez (University of Sheffield), Prof David Woods (University of Southampton).	
<p>Major Duties:</p> <p>The successful candidate for this job will:</p> <ol style="list-style-type: none"> 1. Develop statistical and machine learning approaches for analysing high-dimensional longitudinal data and for designing studies involving such data. 2. Implement and document statistical methods in open-source software in a form suitable for general dissemination. 3. Apply methodology to analyse existing datasets from longitudinal population studies. 4. Liaise with other members of research team, including remote collaborators, to develop methods and interpret findings. 5. Take the lead in writing up statistical methods for publication in leading machine learning and statistical publications. 6. Work with clinical collaborators to write up and publish statistical findings from the applied work. 7. Represent research group at scientific meetings and conferences. 8. Aid in the development and organisation of workshops and public engagement materials to disseminate new methods more widely. 9. Maintain and develop personal skills and general knowledge of biostatistics and machine learning through guided reading and attendance at relevant training courses, seminars and conferences. 	