



INSPIRE PROJECT- PhD POSITION CALL FOR APPLICATIONS

Project title:	PhD in Health Informatics
Project summary:	
<p>We have an opportunity for two Ph.D. positions in the area of knowledge synthesis using Natural Language Processing and LLMs with applications to health data. Recent advances in computational approaches in artificial intelligence (AI) and natural language processing (NLP), such as named entity recognition and text summarisation powered by large language models (LLMs, such as BERT or GPT-4), have substantially improved the efficiency and accuracy of information extraction at a massive scale. Successful candidates will have the opportunity to contribute and build upon existing work on intelligent cataloguing and extraction of news and journal articles on specific topics, developing datasets and algorithms for information extraction and summarisation.</p>	
Opens: 22 September 2023	
Deadline: 30 December 2023	
Duration: Three years	
Funding: Funded – fees and research costs covered.	
Funding details: The studentship covers tuition fees. There are opportunities for securing additional funding to support living expenses.	
Number of places:	<p>Title: PhD in Health Informatics</p> <p>Based in the Department of Computing and Information Systems, Malawi University of Business and Applied Sciences</p>
Eligibility:	<ul style="list-style-type: none"> • This opportunity is open to all nationalities. • Completed an MPhil or MSc degree or equivalent, relevant to the topic of research (e.g., Informatics, Computer Science, Public Health). • Strong interest in the aims and procedures of the research project. • Interest in epidemiological research and statistics. • Capability of working in a team.

	<ul style="list-style-type: none"> • Ability to strike a balance between working independently and asking for help when necessary. • Proficiency in English.
<p>Study modes eligibility: The primary workplace will be the Department of Computing and Information Systems, Malawi University of Business and Applied Sciences, Blantyre, Malawi. Opportunities to collaborate with other institutions in Blantyre or Malawi would be considered.</p>	
Project Details:	Title: Ph.D. in Health Informatics
Primary Supervisor:	Dr. Amelia Taylor
<p>Additional Supervisor/s: With a possible co-supervision from the London School of Hygiene and Tropical Medicine and other partners.</p>	
<p>Further information:</p> <p>To be considered for this scholarship, eligible applicants must write the name 'Inspire Project PhD Scholarship' in the Funding section of the application and apply formally online.</p> <p>Eligible applicants are invited to apply by email. Please submit your application with the following documents by midnight on 30th December 2023 to ailab@poly.ac.mw with a copy to ataylor@mubas.ac.mw. Your curriculum vitae should at minimum include the following information:</p> <ul style="list-style-type: none"> • Personal data: name, contact details, date of birth, nationality. • Education: indicate each academic degree together with the nominal completion period (e.g., 3- or 4-years BSc degree, 1- or 2-years MSc degree), and the (expected) date of completion. • Research/work experience (indicate whether your current position is permanent or fixed term). If it concerns research experience, indicate your role and what activities you have undertaken or supervised. • If applicable, list of publications. • At least two references, with contact details • Copies of certificates/transcripts <p>Applications will be ranked by a selection panel and shortlisted applicants will be notified by 15 January 2023. Interviews will take place late-January 2024 online, with the studentship starting in January/February 2023 or soon after. The successful candidates at the interview will be asked to complete the University's online application form and submit their degree certificates and English language qualification (if required).</p>	
Selection panel:	<p>Professor Vukosi Marivate https://www.up.ac.za/computer-science/view/staffprofile/36101 Professor Jim Todd, LSHTM https://www.lshtm.ac.uk/aboutus/people/todd.jim Dr. Amelia Taylor http://cit.poly.ac.mw/people/staff/Amelia_Viorela_Taylor</p>
Contact Details:	Dr. Amelia Taylor ataylor@mubas.ac.mw