



## INSPIRE PROJECT- PhD STUDENTSHIP CALL FOR APPLICATIONS

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| <b>Project title:</b>  | <b>PhD in Health Informatics</b>  |
| <b>Project summary:</b>  |   |
| <p>We have an opportunity for two Ph.D. positions in the areas of health informatics. Students will primarily work at MUBAS with Dr. Amelia Taylor but will have cross-institute support from partners such as LSHTM and APHRC. There are currently two active projects that the student can be a part of. The INSPIRE project uses OHDSI (ohdsi.org) tools for data standardisation and predictive analysis on longitudinal population data. The project is funded by the Wellcome Trust. Health organisations and hospitals consistently generate a large and diverse volume of data, which holds immense value for patients and research endeavors. The field of health informatics research, which is rapidly advancing, has introduced various ideas, algorithms, and standards to support this progress. Nevertheless, the intricate connections, intricate terminologies, and diverse implementations can pose challenges for individuals aiming to become involved in this field. In the INSPIRE project, we use the OHDSI ecosystem of health informatics tools. This covers a broad range of research areas:</p> <ul style="list-style-type: none"> <li>• Data anonymisation</li> <li>• Data standardisation and data provenance;</li> <li>• Data harmonisation and data sharing.</li> <li>• Predictive analytics</li> <li>• Decision support systems</li> <li>• Data Visualisation and cataloguing</li> </ul> |   |
| <b>Opens:</b> 22 September 2023  |   |
| <b>Deadline:</b> 30 November 2023  |   |
| <b>Duration:</b> Three years   |   |
| <b>Funding:</b> Funded – fees and research costs covered   |   |
| <b>Funding details:</b> The studentship covers tuition fees. There are opportunities for securing additional funding to support living expenses.   |   |
| <b>Number of places:</b>   | <p>Title:<br/>PhD in Health Informatics</p> <p>Based in the Department of Computing and Information Systems, Malawi University of Business and Applied Sciences</p> |
| <b>Eligibility:</b>  | <ul style="list-style-type: none"> <li>• This opportunity is open to all nationalities.</li> </ul>  |

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|   |  | <ul style="list-style-type: none"> <li>Completed an MPhil or MSc degree or equivalent, relevant to the topic of research (e.g., Informatics, Computer Science, Public Health).</li> <li>Strong interest in the aims and procedures of the research project.</li> <li>Interest in epidemiological research and statistics.</li> <li>Capability of working in a team.</li> <li>Ability to strike a balance between working independently and asking for help when necessary.</li> <li>Proficiency in English.</li> </ul> |
| <p><b>Study modes eligibility:</b> 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>   |  |  |
| <b>Project Details:</b>   |  | <b>Title: Ph.D. in Health Informatics</b>  |
| <b>Primary Supervisor:</b>  |  | <b>Dr. Amelia Taylor</b>   |
| <p><b>Additional Supervisor/s:</b> With a possible co-supervision from the London School of Hygiene and Tropical Medicine and other partners.</p>   |  |  |
| <p><b>Further information:</b><br/>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><b>Eligible applicants are invited to apply by email.</b> Please submit your application with the following documents by midnight on 30<sup>th</sup> December 2023 to <a href="mailto:ailab@poly.ac.mw">ailab@poly.ac.mw</a> with a copy to <a href="mailto:ataylor@mubas.ac.mw">ataylor@mubas.ac.mw</a>. Your curriculum vitae should at minimum include the following information:</p> <ul style="list-style-type: none"> <li>Personal data: name, contact details, date of birth, nationality.</li> <li>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.</li> <li>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.</li> <li>If applicable, list of publications;</li> <li>At least two references, with contact details</li> <li>Copies of certificates/transcripts</li> </ul> <p>Applications will be ranked by a selection panel and shortlisted applicants will be notified by 15 January 2023 the latest. Applications will be reviewed as they are received. Interviews will take place in January 2023 online, with the studentship starting in January/February 2023 or soon after.</p> <p>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> |  |  |
| <b>The selection panel:</b>   |  | Professor Jim Todd, LSHTM<br><a href="https://www.lshtm.ac.uk/aboutus/people/todd.jim">https://www.lshtm.ac.uk/aboutus/people/todd.jim</a><br>Dr. Amelia Taylor<br><a href="http://cit.poly.ac.mw/people/staff/Amelia_Viorela_Taylor">http://cit.poly.ac.mw/people/staff/Amelia_Viorela_Taylor</a>   |
| <b>Contact Details:</b>   |  | Dr. Amelia Taylor <a href="mailto:ataylor@mubas.ac.mw">ataylor@mubas.ac.mw</a>   |