

**JOB DESCRIPTION**  
**Postdoctoral Research Associate**  
**Vacancy Ref: A2205**

<b>Job Title:</b> Postdoctoral Research Associate	<b>Present Grade:</b> 6
<b>Department/College:</b>	Lancaster Environment Centre (LEC); and Biomedicine and Life Sciences
<b>Directly responsible to:</b>	Dr Manoj Roy and Prof Roger Pickup
<b>Supervisory responsibility for:</b>	N/A
<p><b>Other contacts</b></p> <p><b>Internal:</b> Other staff members within the RECIRCULATE project team within, Biomedicine and Life Sciences, Engineering, LEC and Lancaster University Management School (LUMS).</p> <p><b>External:</b> Our research partners at Lancaster University Ghana, Council for Scientific and Industrial Research (CSIR) Ghana and other project stakeholders, researchers, policymakers, government departments, local government authorities, research and funding bodies.</p>	
<p><b>Major Duties:</b></p> <p>This new high profile role will be an important member of the research team for the £6.8M RECIRCULATE project funded by Research Councils UK through the Global Challenges Research Fund (GCRF).</p> <p>GCRF funding over 4 years will support new partnership-based approaches to enable West African researchers to grow transformational impact through (i) working with, in and for their communities and (ii) developing robust, durable and equitable partnerships with UK researchers. RECIRCULATE is a collaboration between Lancaster University (Biomedicine &amp; Life Sciences, Engineering, LEC and LUMS), LU Ghana, CSIR Ghana, and University of Benin, with phased expansion to other partners in Kenya, Malawi, Zambia and Botswana.</p> <p>The post holder will play a leading role in Work Package 2: <i>Water for Sanitation and Health</i> which seeks to transform infrastructure and practice to prevent drinking water contamination by sewage in burgeoning informal settlements of urban Africa. This will involve observational and action research in selected low-income settlements in Accra, Ghana. Working in harmony with other work packages, the post-holder will help transform that research into practice through building research capacity, promoting changes on the ground, and harnessing innovation and entrepreneurial capabilities in different African contexts. The project will also involve delivering an ‘escalator of training and capacity building activities’. RECIRCULATE has five work packages in total: Entrepreneurship and innovation (WP1), Water for sanitation and health (WP2), Water for food production (WP3); Water for energy production (WP4); Water pathogens and health (WP5).</p>	
<p><b>Research</b></p> <ul style="list-style-type: none"> <li>• To take a lead in undertaking research in the areas of water and sanitation in informal settlements of urban Africa (Accra, Ghana – in particular), in close collaboration with other members of the RECIRCULATE teams - in LEC, Biomedicine and Life Sciences, Engineering, LUMS and other Lancaster departments; and in LU Ghana, CSIR Ghana and other African partners.</li> <li>• To contribute fully to the wider activities of the RECIRCULATE project that ensure the integration of research across work-packages, partner organisations and academic disciplines.</li> <li>• To also support Lancaster-based Residences (6-8 week visits research by colleagues from partner institutions to Lancaster) and Integrating Research Projects (18 month long “mini-projects” co-designed and co-developed with partners, including up to six months working in Lancaster).</li> <li>• To publish and to work with other academic staff to publish in scholarly journals of international standings.</li> <li>• To attend and present research and represent the interests of RECIRCULATE and Lancaster University at major national and international conferences.</li> <li>• To be responsible for the facilitation of an online platform to aid collaboration and communication between multiple stakeholders, internally and externally.</li> <li>• To collaborate on the identification of research funding which leads to research and impact bids.</li> </ul>	

- To be an active and enthusiastic member of the Department of Entrepreneurship, Strategy and Innovation and contribute regularly to relevant research seminars and collaborative research activities.