



UNIVERSITY OF  
LINCOLN

## UNIVERSITY OF LINCOLN JOB DESCRIPTION

<b>JOB TITLE</b>	Research Technician				
<b>DEPARTMENT</b>	School of Life Sciences				
<b>LOCATION</b>	Joseph Banks Laboratories, Brayford				
<b>JOB NUMBER</b>	COS474	<b>GRADE</b>	5	<b>DATE</b>	Nov 2017
<b>REPORTS TO</b>	Prof. Stuart Humphries				

### CONTEXT

The successful applicant will be part of an interdisciplinary research group with the freedom to work on a defined problem as part of a wider theme. The position forms part of a larger project entitled '*Microscale Viscosity Gradients in the Oceans*' supported by the Gordon and Betty Moore Foundation ([www.moore.org](http://www.moore.org)). This project aims to characterise both viscous heterogeneity at the microscale and its ecological effects, and ultimately to formulate a new conceptual framework for the microbial oceanic landscape that includes viscosity.

The physical ecology lab can offer a dynamic research environment where the successful applicant will be a member of a team working closely together and applying techniques from fields as diverse as phylogenetic analysis, microbiology, applied mathematics and biophysics.

### JOB PURPOSE

The post-holder will support members of the lab and the PI in achieving the project aims and keeping the lab running efficiently. They will provide specific help to the Physical Ecology Lab group.

The post-holder will be expected to participate actively in regular lab meetings and provide input in their area of expertise. Two key areas of work are the maintenance of both bacterial and phytoplankton cultures and administration tasks associated with running a successful laboratory on a day-to-day basis. There may also be the opportunity to support undergraduate and postgraduate students working in the lab and to help the Project team with experimental work using video-microscopy and microfluidics.

## KEY RESPONSIBILITIES

Laboratory support
<p>To provide laboratory support for research, in particular to participate actively in regular lab meetings and provide input in their area of expertise. Two key areas of work are the maintenance of both bacterial and phytoplankton cultures and administration tasks associated with running a successful laboratory on a day-to-day basis. There may also be the opportunity to support undergraduate and postgraduate students working in the lab and to help the Project team with experimental work using video-microscopy and microfluidics.</p> <p>The work will be varied and will include areas such as culturing and maintenance of both bacterial and phytoplankton cultures, microscopic and video analysis of bacterial and phytoplankton cells, image analysis, preparation of media and matériel for experiments as required.</p>
Planning and Organising
<p>To manage the daily running and organisation of the Physical Ecology Laboratory and take responsibility for maintaining stocks and supplies. The post-holder will need to be able to work independently, using their judgement and initiative to resolve issues as they arise and actively problem-solve in potentially challenging situations.</p>
Administration
<p>To provide administrative support for research, such as preparing documentation for projects and equipment or protocols, including relevant H&amp;S administrative tasks; to arrange the transport of equipment and supplies both nationally and internationally. To provide administrative support associated with running a successful laboratory on a day-to-day basis, such as data entry, stock management and checks and monitoring of equipment used by the group.</p>
Communications
<p>Discussions with diverse staff in the University, researchers, academics and commercial partners within research consortia. Discussions with collaborators, suppliers and sub-contractors.</p>
Teamwork & Liaison
<p>Work within the Physical Ecology Laboratory group as an active team member.</p>
Data information and management
<p>Maintain good laboratory practice in maintaining records relating to research and development projects. Production of risk assessments, COSHH forms, Standard Operating Procedures and user guides.</p>

**In addition to the above, undertake such duties as may reasonably be requested and that are commensurate with the nature and grade of the post.**

## ADDITIONAL INFORMATION

Key working relationships/networks	
Internal	External
<ul style="list-style-type: none"><li>• Principal Investigator</li><li>• Members of the Physical Ecology Lab group</li><li>• Other staff working in the Joseph Banks Laboratories shared laboratory area.</li><li>• Other staff within the School</li><li>• Other staff across the University</li></ul>	<ul style="list-style-type: none"><li>• Research collaborators</li><li>• Sub-contractors</li><li>• Suppliers</li></ul>



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## UNIVERSITY OF LINCOLN PERSON SPECIFICATION

<b>JOB TITLE</b>	Research Technician	<b>JOB NUMBER</b>	COS474
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<b>Selection Criteria</b>	<b>Essential (E) or Desirable (D)</b>	<b>Where Evidenced Application (A) Interview (I) Presentation (P) References (R)</b>
<b>Qualifications:</b>		
Honours or Masters degree in a relevant subject, or equivalent experience	<b>E</b>	<b>A</b>
<b>Experience:</b>		
Experience with bacterial or phytoplankton cell culture	<b>E</b>	<b>A/I</b>
Substantial experience in this area of work covering a broad range of Laboratory activities	<b>E</b>	<b>A/I</b>
Communicating with research staff on complex projects	<b>D</b>	<b>A/I</b>
Experience with spreadsheets, stock management and purchasing software	<b>D</b>	<b>A/I</b>
<b>Skills and Knowledge:</b>		
Excellent interpersonal and communication skills	<b>E</b>	<b>A/I</b>
Efficient time management: ability to prioritise own workload and work to specified deadlines under pressure	<b>E</b>	<b>A/I</b>
Skills or knowledge of marine bacterial or plankton ecology	<b>D</b>	<b>A/I</b>
<b>Competencies and Personal Attributes:</b>		
Positive approach to communicating with people	<b>E</b>	<b>I</b>
Ability to work on own and as part of a team	<b>E</b>	<b>I/R</b>
Enthusiasm and commitment	<b>E</b>	<b>I</b>
<b>Business Requirements:</b>		
Flexible in working hours – to accommodate occasional weekend working	<b>D</b>	<b>I</b>

**Essential Requirements** are those, without which, a candidate would not be able to do the job. **Desirable Requirements** are those which would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements.

<b>Author</b>	SH	<b>HRBP</b>	SP
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