



UNIVERSITY OF  
LINCOLN

## UNIVERSITY OF LINCOLN JOB DESCRIPTION

<b>JOB TITLE</b>	Research Associate (RA) (Chemistry)				
<b>DEPARTMENT</b>	School of Natural Sciences				
<b>LOCATION</b>	Lincoln Campuses				
<b>JOB NUMBER</b>	CHS198	<b>GRADE</b>	6	<b>DATE</b>	March 2025
<b>REPORTS TO</b>	Principal Investigator: Dr Aleksandar Radu, Co-I: Dr Faiz Iqbal				

### CONTEXT

We have got an exciting interdisciplinary project which will provide excellent research challenges to interested candidates. These challenges will sit at the interface of chemical sensors for Agri-Tech applications, requiring significantly diverse skills from sensor development and characterization, method development, measurement of analytes in real-life samples, data processing and interpretation to then interact with colleagues from engineering as well as with general public to co-create modern technological solutions for measuring environmentally-important analytes in complex matrixes.

### JOB PURPOSE

The candidate will be employed to work with the multidisciplinary research team interfacing between School of Natural Sciences and Schools of Engineering & Physical Sciences. The work will support the project team of the Soil-Sensor project, liaise with other team members of the project to successfully deliver the milestones. You will also assist the publication related work in the project.

## KEY RESPONSIBILITIES

### Literature Surveys

To undertake literature surveys and other investigations of the state-of-the-art and to prepare reports as required.

### Research

To perform specified research under the direction and with advice from the Principal and Co Investigators, to generate original knowledge, contribute to decisions about research direction, and to prepare reports on results, as required.

Plan own day-to-day research activity within the context of the required research programme, exhibiting a high degree of autonomy.

Contribute to the production of research outputs, including software, reports, paper publications, and preparation for and presentation in front of the funders for regular monitoring meetings.

The RA will not be expected to act as an independent researcher.

### Liaison and Networking

Liaise with internal and external collaborators, and with colleagues in the two Schools, maintaining positive and effective working relationships.

Participate in internal research activities, including seminars, research meetings and continuous professional development activities.

### PhD

If work develops successfully further, efforts will be made for funding and if secured, enrolment into PhD is feasible.

**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>• Co-Investigator</li><li>• Other academic staff within the schools if needed for collaboration reasons</li><li>• Other RA on the project</li></ul>	<ul style="list-style-type: none"><li>• Research collaborators</li><li>• Sponsors and clients</li></ul>

UNIVERSITY OF LINCOLN  
PERSON SPECIFICATION

<b>JOB TITLE</b>	Research Associate – Chemistry	<b>JOB NUMBER</b>	CHS198
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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>		
Degree in relevant subject (1 <sup>st</sup> , 2.1 or equivalent), and a Masters degree both related to Chemistry in a broader sense.	<b>E</b>	<b>A</b>
<b>Experience:</b>		
Some experience of relevant research publications in similar area.	<b>D</b>	<b>A/I</b>
Some experience in commercialization of research	<b>D</b>	<b>A/I</b>
Experience specific to project/area i.e., previous work on sensors, analytical instrumentation, and method development.	<b>E</b>	<b>A/I</b>
<b>Skills and Knowledge:</b>		
Knowledge specific to project/area	<b>E</b>	<b>A/I</b>
Ability to conduct original research under supervision in the subject area	<b>E</b>	<b>A/I</b>
Excellent written communication, including the ability to write reports and research outputs	<b>E</b>	<b>A/I</b>
Ability to prioritise own workload and work to specified deadlines under pressure	<b>E</b>	<b>A/I</b>
Ability to communicate complex subjects to students	<b>E</b>	<b>A/I</b>
<b>Competencies and Personal Attributes:</b>		
Flexible approach to workload	<b>E</b>	<b>I</b>
Ability to work on own and as part of a team	<b>E</b>	<b>A/I</b>
Enthusiasm and commitment	<b>E</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>	AR	<b>PBP</b>	AH
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