



UNIVERSITY OF
LINCOLN

**UNIVERSITY OF LINCOLN
JOB DESCRIPTION**

JOB TITLE	Post-Doctoral Research Associate				
DEPARTMENT	School of Life and Environmental Sciences				
LOCATION	Lincoln Campuses				
JOB NUMBER	CHS033	GRADE	7	DATE	August 2023
REPORTS TO	Professor Gregory Sutton				

CONTEXT

We are looking to hire a post-doctoral research associate for a project that requires reconstructing 3D geometry from MicroCT scans of soft tissue anatomy of the feeding apparatus of the sea-slug, *Aplysia californica*. Experience with image processing software (Such as Amira or NIH image) will be extremely valued. Candidates with biomechanics experience, experience in image processing, or analysis of soft-tissue systems will also be considered.

JOB PURPOSE

The Post-Doctoral Research Associate is responsible for conducting research on the project, as directed by the Principal Investigator, and is expected to operate with a significant degree of autonomy. They are not expected to operate as an independent researcher.

The post holder may be required to help supervise the work of more junior researchers.

KEY RESPONSIBILITIES

Literature Surveys
Undertake literature surveys and other investigations of the state-of-the-art, and prepare reports as required.
Programme of Research
Undertake a programme of research under the direction of the Principal Investigator, demonstrating a significant level of autonomy. Lead in the production of high quality research outputs, including reports, papers and other publications of national/international standing.
Project Management
Perform project management activities, planning, scheduling, monitoring and reporting on progress of research projects.
Liaison and Networking
Identify and liaise with internal and external collaborators, and with colleagues in the Department, maintaining positive and effective working relationships.
Internal Research Activities
Participate in and help to organise internal research activities, including seminars, research meetings and conferences.
Continuous Professional Development
Undertake continuous professional development activities.
Grant Applications
Contribute to the production of grant applications.
Teaching Support
Engage in teaching support activities, up to a maximum of six hours per week, possibly including leading a small number of units (no more than two per annum). Aid in the supervision of postgraduate research students.

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

Scope and dimensions of the role

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Key working relationships/networks

Key working relationships/networks	
Internal	External
<ul style="list-style-type: none"> • Principal Investigator • Head of Research Centre • Head of School • Other research and academic staff within the school 	<ul style="list-style-type: none"> • Research collaborators • Sponsors and clients



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PERSON SPECIFICATION**

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Selection Criteria	Essential (E) or Desirable (D)	Where Evidenced Application (A) Interview (I) Presentation (P) References (R)
Qualifications:		
PhD or equivalent (good candidates may be accepted with a PhD pending, subject to publication record)	E	A
Extensive knowledge specific to project/area	D	A/I
Experience:		
Extensive experience of relevant research methods	D	A/I
Authorship of research outputs of national/international standing	D	A/I
Experience of research in specific project area	D	A/I
Teaching support	D	A/I
Skills and Knowledge:		
Ability to design, conduct and project manage original research in the subject area	D	A/I
Excellent written communication, including the ability to write reports and research outputs	D	A/I
Ability to prioritise own workload and work to specified deadlines under pressure	D	A/I
Ability to communicate complex subjects orally	D	A/I
Skills specific to project/area	D	A/I
Competencies and Personal Attributes:		
Flexible approach to workload	D	I
Ability to work on own and as part of a team	E	I
Enthusiasm and commitment	E	I

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.

Author	Gregory Sutton	APBP	AH
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