



**UNIVERSITY OF LINCOLN  
JOB DESCRIPTION**

<b>JOB TITLE</b>	Post Doctoral Research Associate in Statistical Mechanics				
<b>DEPARTMENT</b>	School of Mathematics and Physics				
<b>LOCATION</b>	Brayford campus				
<b>JOB NUMBER</b>	COS823	<b>GRADE</b>	7	<b>DATE</b>	March 2021
<b>REPORTS TO</b>	Dr. Fabien Paillusson				

**CONTEXT**

The post is for a fixed period of 36 months to work on the Leverhulme funded project RPG-2021-039 titled "Assessing ergodicity in physical systems and beyond".

**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. S/he is 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

Internal	External
<ul style="list-style-type: none"><li>• Principal Investigator</li><li>• Head of Research Centre</li><li>• Head of School</li><li>• Other research and academic staff within the school</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>	Post Doctoral Research Associate	<b>JOB NUMBER</b>	COS823
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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>		
PhD or equivalent (good candidates may be accepted with a PhD pending, subject to publication record)	<b>E</b>	<b>A</b>
Extensive knowledge specific to project/area	<b>E</b>	<b>A/I</b>
<b>Experience:</b>		
Extensive experience of relevant research methods	<b>E</b>	<b>A/I</b>
Authorship of research outputs of national/international standing	<b>E</b>	<b>A/I</b>
Experience of research in specific project area	<b>E</b>	<b>A/I</b>
Teaching support	<b>D</b>	<b>A/I</b>
<b>Skills and Knowledge:</b>		
Ability to design, conduct and project manage original research 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 orally	<b>E</b>	<b>A/I</b>
Skills specific to project/area	<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>I</b>
Enthusiasm and commitment	<b>E</b>	<b>I</b>
<b>Business Requirements:</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>	FP	<b>HRBA</b>	DB
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