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| Last updated: | <date> |

**JOB DESCRIPTION**

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| Post title: | **Research Fellow in Oligocene climate variability** | | |
| Standard Occupation Code: (UKVI SOC CODE) | 2119 - Natural and social science professionals | | |
| School/Department: | School of Ocean and Earth Sciences | | |
| Faculty: | FELS | | |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 4 |
| \*ERE category: | Research pathway | | |
| Posts responsible to: | Dr Gordon Inglis (principal investigator), Professor Gavin Foster (co-investigator) | | |
| Posts responsible for: | n/a | | |
| Post base: | Office-based/Non Office-based (see job hazard analysis) | | |

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| Job purpose |
| To undertake research in accordance with the specified research project under the supervision of the project lead (Dr Gordon Inglis) and co-investigator (Professor Gavin Foster). To undertake writing of publications, some project management and engagement activities. |

| Key accountabilities/primary responsibilities | | % Time |
| --- | --- | --- |
|  | To develop and carry out scientific research on Oligocene climate variability | 50 % |
|  | Preparation of briefing notes for project collaborators and preparation of journal articles for submission to leading peer-reviewed international journals. | 15 % |
|  | Preparation and delivery of papers at key national and international conferences and project workshops and outreach events. | 5 % |
|  | Collaborate/work on original research tasks with colleagues in other institutions. | 15 % |
|  | Carry out administrative tasks associated with wider project | 5 % |
|  | Carry out occasional undergraduate supervision, demonstrating or lecturing duties within own area of expertise, under the direct guidance of a member of departmental academic staff. | 5 % |
|  | Any other duties as allocated by the line manager following consultation with the post holder. | 5 % |

| Internal and external relationships |
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| The post will report to Dr Gordon Inglis (School of Ocean and Earth Science; SOES) with additional support from Professor Gavin Foster (SOES). This is part of a NERC Large Grant held by Professor Bridget Wade (UCL).  May be asked to serve on a relevant School/Department committee.  Collaborators/colleagues in other work areas and institutions.  May have an opportunity to contribute more widely to School activities, e.g. teaching, depending on individual aspirations and in conjunction with discussions with line managers.  May have additional reporting and liaison responsibilities to external organisations e.g. NERC |

| Special Requirements |
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| To be available to participate in fieldwork if required by the specified research project.  To be able to design and undertake laboratory analyses of sediment cores.  To be able to analyses multi-proxy datasets for paleoclimate reconstruction.  To be able to develop potential routes to achieve research impact.  To attend national and international conferences for the purpose of disseminating research results.  *Applications for Research Fellow positions will be considered from candidates who are working towards or nearing completion of a relevant PhD qualification. The title of Research Fellow will be applied upon*  *successful completion of the PhD. Prior to the qualification being awarded the title of Senior Research*  *Assistant will be given.* |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD or equivalent professional qualifications and experience in paleoclimatology.  Detailed understanding and knowledge of (Cenozoic) paleoclimate.  Detailed understanding of biomarker-based techniques to reconstruct climate variability.  Experience in the preparation of sediment samples for chemical analysis. | PhD in organic geochemistry  Knowledge and experience of using lipid biomarkers to reconstruct past environments.  Experience of using gas chromatography (GC)-mass spectrometry (MS), GC-isotope ratio MS, and/or liquid chromatography-MS. | CV, Covering letter, references and Interview. |
| Planning and organising | Able to organise own research activities to deadline and quality standards |  | CV, Covering letter, references and Interview. |
| Problem solving and initiative | Able to develop understanding of complex problems and apply in-depth knowledge to address them  Able to develop original techniques/methods | Ability to undertake laboratory work and develop/apply new methods. | CV, Covering letter, references and Interview. |
| Management and teamwork | Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development.  Interest in working across disciplinary areas (climate modelling, palaeoclimate) | Happy working with in teams in field, meetings and laboratory contexts. | CV, Covering letter, references and Interview. |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audience.  Able to present research results at group meetings and conferences  Able to write up research results for publication in relevant peer-viewed journals  Work proactively with colleagues in other work areas/institutions, contributing specialist knowledge to achieve outcomes | Happy communicating with people face-to-face and online to problem solve, present data and receive feedback. | CV, Covering letter, references and Interview. |
| Other skills and behaviours | Understanding of relevant Health & Safety issues  Positive attitude to colleagues and students and awareness of EDI challenges, especially in the geosciences | Confident, collegiate and collaborative, not afraid to give and take constructive criticism or praise. | CV, Covering letter, references and Interview. |
| Special requirements | Able to attend national and international conferences and remote fieldwork. | Confident and able to spend time away for focussed periods of training, laboratory work and data capture.  Ability to manage and cope with stressful situations under pressure of deadlines or physical activity (field work, presenting, reporting). | CV, Covering letter, references and Interview. |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

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| Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.  Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

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| **ENVIRONMENTAL EXPOSURES** | **Occasionally**  (<30% of time) | **Frequently**  (30-60% of time) | **Constantly**  (> 60% of time) |
| Outside work | Y |  |  |
| Extremes of temperature (eg: fridge/ furnace) | Y |  |  |
| ## Potential for exposure to body fluids |  |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) |  |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: use of organic solvents for lipid analysis |  | Y |  |
| Frequent hand washing | Y |  |  |
| Ionising radiation |  |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** | | | |
| ## Food handling |  |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV) |  |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) |  |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers) |  |  |  |
| **PHYSICAL ABILITIES** | | | |
| Load manual handling |  |  |  |
| Repetitive crouching/kneeling/stooping |  |  |  |
| Repetitive pulling/pushing |  |  |  |
| Repetitive lifting |  |  |  |
| Standing for prolonged periods |  |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) |  |  |  |
| Fine motor grips (eg: pipetting) |  | Y |  |
| Gross motor grips |  |  |  |
| Repetitive reaching below shoulder height |  |  |  |
| Repetitive reaching at shoulder height |  |  |  |
| Repetitive reaching above shoulder height |  |  |  |
| **PSYCHOSOCIAL ISSUES** | | | |
| Face to face contact with public | Y |  |  |
| Lone working | Y |  |  |
| ## Shift work/night work/on call duties |  |  |  |