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| Last updated: | 14th August 2025 |

**JOB DESCRIPTION**

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| Post title: | **Lecturer in prediction modelling in mental health** | | |
| Standard Occupation Code: (UKVI SOC CODE) | 2311 | | |
| School/Department: | Psychology | | |
| Faculty: | Environmental & Life Sciences | | |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 5 |
| \*ERE category: | Balanced pathway | | |
| Posts responsible to: | Head of School | | |
| Posts responsible for: | None | | |
| Post base: | Office-based (see job hazard analysis) | | |

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| Job purpose |
| To work 50% FTE on a new NIHR funded project aiming at predicting response to medication in children and adults with attention-deficit/hyperactivity disorder (ADHD) based on pre-treatment clinical, cognitive, and physiological characteristics (ref: NIHR305518, PI: Dr Valeria Parlatini). This includes providing expertise in physiological data monitoring and prediction/decision modelling as applied to clinical, cognitive and/or physiological data, while supporting data collection, analysis, and dissemination throughout the project.  To work 50% FTE on the delivery of UG and PGT education as directed by the Deputy Head of School (Education) which may include a range of duties including lectures, seminars, project supervision, marking, moderation and personal academic tutoring.  To undertake leadership, management, and engagement as directed by the Head of School. |

| Key accountabilities/primary responsibilities | | % Time |
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|  | Proactively contribute to the above research programme including project management activities, application of a range of research methodologies, and supervision of other members of the research team, as appropriate. Lead and contribute to related evidence syntheses and data analyses. Contribute as part of a team to recruitment and testing of research participants. Support research-related tasks as agreed with the fellowship-holder, e.g. ensuring all necessary approvals are obtained and adhered to (e.g. ethics, governance); and supporting patient and public involvement activities. Collaborate and utilise networks to develop and deliver research with colleagues in own and other disciplines and/or organisations. Regularly produce a range of high-quality research outputs that underpin a growing reputation. Ensure effective co-creation and engagement with research and dissemination of research findings (e.g., peer-reviewed publications, conferences, and public engagement). Plan and develop innovative new research proposals, either as self-contained items or as part of the wider programme, and lead or contribute to income proposals. Proactively identify and pursue opportunities to ensure research activities benefit educational practice. Co-supervise or contribute to the supervision of postgraduate students. | 45% |
|  | Lead and contribute to the delivery of UG and PGT education as directed by the Deputy Head of School (Education) which may include a range of duties including lectures, seminars, project supervision, marking, moderation and personal academic tutoring. Provide teaching and supervision of the highest quality and in line with the strategic objectives of the School of Psychology. Share, promote and help embed educational best practice and enhancement, including through inclusive and flexible teaching and supervision practices and the use of new technologies. Directly supervise students, providing expert advice on learning best practice and helping with learning problems. Mark assessments and provide constructive feedback to students. Provide advice and support to students as a Personal Academic Tutor. Collaborate and utilise networks of colleagues in own and other disciplines and/or organisations to enhance education activities. | 45% |
|  | Contribute to the efficient management and administration of the School by performing administrative duties as allocated by the Head. | 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 new appointee will be assigned a senior colleague, Dr Parlatini (PI), as a line manager to guide their development and aid their integration into the School, Faculty and University, supporting both their research and teaching responsibilities.  The successful candidate will work within a research team and liaise with mentors and collaborators on the project, including child and adult psychiatrists and other health professionals; and will effectively liaise with senior colleagues within the School in relation to teaching/supervision.  The new appointee will have an Honorary Contract at Hampshire and Isle of Wight Healthcare NHS Foundation Trust, and honorary clinical contract/research passport as required by other recruitment sites (e.g. South London and Maudsley NHS Foundation Trust). |

| Special Requirements |
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| To be available to support recruitment and testing at different research sites, as required by the specified research project.  To attend national and international conferences for the purpose of disseminating research results.  This post is exempt under the Rehabilitation of Offenders Act 1974 as amended. The University requires that the successful applicant who is offered employment will be subject to a criminal record check from the Disclosure Baring Service before the appointment is confirmed. An Enhanced Disclosure will be required to work with child and adult participants, and this will include details of cautions, reprimands or final warnings, as well as convictions. |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Knowledge, Experience and Qualifications | PhD or equivalent professional qualifications in the field of machine learning and prediction/decision modelling, or other relevant discipline.  Experience in recruitment and/or testing of research participants.  Track record of development and delivery of teaching at undergraduate and postgraduate level. Demonstrated success in delivering learning outcomes.  Growing and consistent national reputation in research in the field of machine learning, prediction/decision modelling as applied e.g. to clinical, cognitive and/or physiological data, including track record of significant independent contribution to high impact publications. | Teaching qualification (PCAP or equivalent).  Experience in physiological data monitoring (e.g. heart rate variability) and cognitive testing.  Research experience in mental health. | Application, CV and Interview |
| Teamwork and Communication | Works proactively with colleagues and other stakeholders, within and beyond the University, to achieve outcomes.  Work effectively in a team, understanding the strengths and weaknesses of others to help teamwork development.  Communicates effectively to develop understanding and achieve cooperation.  Track record of delivering teaching.  Able to engage counselling skills and pastoral care, where appropriate.  Provides clear advice, guidance and recommendations on novel or complex concepts and issues. |  | Application and Interview |
| Planning, Organisation and Resource Management | Proven ability to plan and develop a range of high-quality research and teaching activities, ensuring plans complement broader research and education strategy.  Proven ability to plan, manage, organise and assess own teaching contributions.  Formulates development plans to meet current skill requirements. | Able to develop innovative research proposals and attract research funding. | Application and Interview |
| Problem solving and initiative | Develops detailed understanding of complex problems and applies accumulated knowledge and experience to investigate and/or resolve them.  Able to apply originality in modifying existing approaches to solve problems. |  | Application and Interview |
| Other skills and behaviours | Positive attitude towards colleagues and students.  Compliance with relevant Health & Safety issues. |  | Application and Interview |
| Special requirements | Good Clinical Practice training to be completed before study commencement.  Proficiency in English Language.  A satisfactory DBS disclosure at Enhanced level is required for this post.  Able to support recruitment and testing at different research sites as required by the specified research project. | Able to attend national and international conferences to present research results. | Application 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 |  |  |  |
| Extremes of temperature (eg: fridge/ furnace) |  |  |  |
| ## 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: |  |  |  |
| Frequent hand washing |  |  |  |
| 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) |  |  |  |
| 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 |  | x |  |
| Lone working |  |  |  |
| ## Shift work/night work/on call duties |  |  |  |