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| **Job Title:** | Research Fellow B |

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| **Responsible to:** | Head of research group, or principal investigator |

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| **Responsible for:** | Responsibility for staff within own research group |

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| Job Summary and Purpose |
| To plan and deliver research in accordance with the specified research project. To contribute to securing funding for own research projects and for projects for those staff under their direct supervision. |

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| Main Responsibilities/Activities |
| To contribute to the development of the research of the Faculty, by planning and carrying out research activity within a specified area, often in collaboration with colleagues.  To take a significant role in planning, co-ordinating and implementing research programmes and, where appropriate, commercial and consultancy activities. To take lead responsibility for a small research project or identified parts of a large project. This may include planning fieldwork, data analysis and evaluation and laboratory experimentation. To make decisions about research programmes and methodologies, often in collaboration with colleagues, and to resolve the problems of meeting research objectives and deadlines.  To develop new concepts and ideas to extend intellectual understanding. Assess, interpret and evaluate the outcomes of research, and develop ideas for the application of research outcomes. To take a role in the regular publication of results in appropriate journals, in giving presentations at national and/or international conferences, and in other outputs as required and/or appropriate.  To develop innovative research proposals (as a self-contained item or as part of a broader programme), identifying sources of funding, submitting funding bids, and gaining positive reviews for these. Promoting own area of research.  Continually to update knowledge and develop skills. To extend, transform and apply knowledge acquired from scholarship to research and appropriate external activities.  To carry out management and administrative tasks associated with specified research funding, including managing and developing staff within their projects; risk assessment of project activities; organisation of project meetings and documentation; management of resources, preparation of annual reports, and management or monitoring of research budgets. To oversee and implement procedures required to ensure accurate and timely formal reporting and financial control.  To undertake liaison with external organisations including equipment manufacturers, steering committees, associated academic facilities and commercial users.  To contribute to teaching within the Faculty by carrying out student supervision, demonstrating or lecturing duties within the post holder’s area of expertise. May be required to contribute to the supervision of research students. |

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| **Person Specification** |
| The post holder must have:Normally a doctoral degree in a relevant discipline, together with appropriate experience of working in a similar area of work. The post holder will need to demonstrate a high level of competence and independent standing in research by being nationally recognised within their area of discipline, publishing regularly in recognised appropriate journals and attracting research funding for their own work or for other staff within the research group. |

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| **Relationships and Contacts** |
| The post holder may have a key responsibility to the principal investigator, with prime responsibility for reporting and liaison with external funding bodies or sponsors. As a senior member of the project team, the post holder will also supervise the activities of research and technician staff within the particular research group |

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| **Special Requirements** |
| To be available to participate in fieldwork as required by the specified research project. |

### All staff are expected to:

* Positively support equality of opportunity and equity of treatment to colleagues and students in accordance with the University of Surrey Equal Opportunities policy.
* Help maintain a safe working environment by:
* Attending training in Health and Safety requirements as necessary, both on appointment and as changes in duties and techniques demand
* Following local codes of safe working practices and the University of Surrey Health and Safety Policy
* Undertake such other duties within the scope of the post as may be requested by your Manager.

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| **Addendum**  This document provides additional information relating to both specific aspects of the post/faculty and any post specific person specification criteria. The information contained within this document should always be read in conjunction with the accompanying generic Role Profile. | | |
| **Job Title:** | Skilled and experienced research fellow in AI multi-omics health and well being | |
| **Background Information/Relationships**  Section of Statistical Multi-Omics, Department of Clinical & Experimental Medicine, has a strong collaboration with the People-Centered AI institute on the topic of “AI Multi-omics for Health and Wellbeing”. Within the overarching study topics we have prioritised research areas of gut microbiome, genomics and environmental exposure as targets areas of people-centered AI implementations to predict and classify health related outcomes of individuals. Among those, Dr. Ayse Demirkan specifically focusing on gut microbiome will be the main contact person for this post. We are looking for an experienced postdoctoral researcher (>10 years)  with background in human genetics/omics consortia, genetic epidemiology and statistical multi-omics, grant writing. | | |
| **Person Specification**  This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role. This is in addition to the criteria contained within the accompanying generic Role Profile. | | |
|  | | **Essential/ Desirable** |
| 1. Experience with leading/co-lead large human genetic/omics studies | | Essential |
| 1. Grant writing skills and experience | | Essential |
| 1. Experience with genetic data imputation, collection, download, QC, analysis | | Essential |
| 1. Desire to learn additional methods of unsupervised/supervised AI | | Essential |
| 1. Experience in statistical method development | | Desirable |
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| **Special Requirements** | | **Essential/ Desirable** |
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| **Key Responsibilities**  This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities (5 to 8 maximum). This should be read in conjunction with those contained within the accompanying generic Role Profile. | | |
| 1. **Conducting research within the lines of statistical multi-omics: We envision the researcher to pick one project as their main research and support other projects by conducting analysis or as consultant where possible/applicable.**   **N.B. The above list is not exhaustive**. | | |