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| **Job Title:** | Research Fellow A |

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

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| **Responsible for:** | Not applicable |

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| Job Summary and Purpose: |
| To undertake research in accordance with the specified research project(s) under the supervision of the principal investigator. |

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| Main Responsibilities/Activities |
| To undertake a range of research activities within a specified research area, assuming responsibility for specific areas of projects and making use of new research techniques and methods, in consultation with the research award holder or supervisor. This may include fieldwork, interviews, laboratory experimentation, critical evaluation and interpretation, computer-based data analysis and evaluation or library research.Using initiative and creativity to identify areas for research develop new research methods and extend the research portfolio. Analysing and interpreting results of own research. Write up results and prepare papers for submission to appropriate journals and conferences, and other outputs as required and/or appropriate. Attend appropriate conferences for the purpose of disseminating research results of personal development. The post holder may also contribute to writing bids for research grants and will contribute to collaborative decision making with colleagues in areas of research.Continually to update knowledge and develop skills, and translate knowledge of advances in the area into research activity.To plan and manage own research activity in collaboration with others. To carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control.To contribute to teaching in the Faculty by carrying out student supervision and/or demonstrating within the post holder’s area of expertise and under the direct guidance of a member of departmental academic staff, as appropriate.The post holder may occasionally be required to supervise more junior research staff. |

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| **Person Specification**  |
| The post holder must have:A doctoral degree in a relevant discipline (although individuals who have almost completed a doctoral degree may be appointed). Consideration may also be given to individuals who do not hold a doctoral degree but have required skills based on a number of years experience in specified / relevant fields The post holder will have authority over some aspects of project work and must be capable of providing academic judgement, offering original and creative thoughts and be able to interpret and analyse results.  |

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| **Relationships and Contacts** |
| Direct responsibility to the principal investigator or academic supervisor. The post holder may be asked to serve on a relevant Faculty committee. There may be additional reporting and liaison responsibilities to external funding bodies or sponsors. The post holder may work on original research tasks with colleagues in other institutions. |

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| **Special Requirements** |
| NA |

### 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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| **Job Title:** | Research Fellow in Nutritional Sciences |

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| **Responsible to:** | Dr Sarah Bath |

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| Job Summary and Purpose: |
| Undertake research in accordance with the specified research project under the supervision of the principal investigator, Dr Sarah Bath. The post is funded through a grant from the Waterloo Foundation. The project will investigate associations between plant-based diets, iodine intake, and neurodevelopment in children.The post is funded for a period of 12months (full time).  |

This information should be read in conjunction with the accompanying generic Research RA1A Role Profile and will be used for shortlisting processes. More specifically the post holder will be expected to:

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| Main Responsibilities/Activities |
| To undertake a range of research activities to meet the project aims and objectives on ”Plant-based diets, iodine, and neurodevelopmental outcomes; development of a dietary iodine risk score for use in pregnancy. The post holder will take responsibility for the project and will use a range of research techniques to perform data analysis using statistical software. They will analyse and interpret the results of their own research and will write up results for submission to journals and conferences. There will be opportunity for the attendance of one conference during the post for the purpose of disseminating research results, and for personal development. Specific roles include (but not limited to): 1. Liaise with external collaborators to create the data-file needed for this project using the existing data within the UK birth-cohort study (ALSPAC).
2. Examine dietary intake data during pregnancy to create a score that considers both iodine intake and iodine inhibitors (in the context of a plant-based dietary patterns)
3. Undertaking complex statistical analyses, to examine relationships between the risk score and maternal iodine status and thyroid function.
4. To evaluate associations between iodine intake, status and child neurodevelopmental outcomes (and consider moderation of effects according to iodine intake in the child).
5. Publishing work in peer-reviewed scientific journals.
6. Disseminate findings as appropriate
7. Engage in lab meetings (face-to-face or online) with the wider Iodine Research Group
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| **Person Specification**  |
| The post holder must have:The applicant should have a doctoral degree in a relevant discipline (ideally involving nutrition research). Competency in handling data and experience of advanced statistical analysis (e.g. multiple regression/multiple imputation) using software (e.g. SPSS). Experience and knowledge of iodine research and dietary assessment. Good communication skills and scientific writing skills (as evidenced by authorship of peer-reviewed publications). Skills in project management, organisation, and using academic judgement. They will need to be able to work independently and be highly motivated.  |