

**JOB DESCRIPTION**

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| **Job Title:** Research Technician in Bioinformatics | **Present Grade:** 6 |
| **Department/College:** Biomedical and Life Sciences | |
| **Directly responsible to:** Alexandre Benedetto | |
| **Supervisory responsibility for:** Some supervision of undergraduate or postgraduate project students | |
| **Other contacts** | |
| **Internal:** Barbara Shih (Lecturer, BLS), Mohammed Ismael (SPDRA, BLS), Charlotte Sprason (PG student), Luigi Sedda (Senior Lecturer, LMS), Philip Donkersley (Teaching Fellow and SPDRA, LEC), Mike Pacey (HEC), other local academic, support staff, and student as required. | |
| **External:**  Christoph Kaleta (Prof., CAU Kiel, Germany), Marie Diogon (Associate Prof., Universite Clermont Auvergne, France), Jason Chin (Lecturer, QUB), Kevin Parsons (Senor Lecturer, University of Glasgow) and their teams. | |
| **Major Duties:**   1. Develop data processing pipelines and implementing them on the Lancaster High-End Computing Cluster as required. 2. Engage in knowledge exchange with collaborating computer scientists in Germany to refine analysis tools developed and transfer metabolic modelling and analysis pipelines from Germany to Lancaster. 3. Process and analyze omics and imaging datasets from the UKRI-BBSRC project using co-developed pipelines. 4. Train and supervise undergraduate or postgraduate students on data analysis tools directly relevant to the UKRI-BBSRC project, as required. 5. Participate in the Benedetto lab-meetings, in the UKRI-BBSRC project meetings, retreats and symposia; preparing and presenting results from analyses in various formats: talks, posters and reports as required. 6. Participate in national and international conferences and workshops, delivering talks and presenting posters as opportunities arise, to disseminate the results of the project to the scientific community and to keep up to date with advances in the field. 7. Contribute to the preparation of progress reports for yearly UKRI-BBSRC Researchfish returns. 8. Contribute to the preparation of primary research articles for publication of project findings, as required. 9. Participate in the preparation of research proposals arising from the datasets processed, as required. | |