**PERSON SPECIFICATION (PS)**

This form lists the essential and desirable requirements needed in order to do the job.

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| **Job Title:** | Postdoctoral Fellow in Poultry Genetics – Fixed Term | **Job ref no:** | CSS-0149-22 |
| **Grade:** | 6 | **Department:** | Clinical Science & Services |
| **Accountable to:** | Dr Androniki Psifidi | **Responsible for:** | N/A |
| **PS created by/ or reviewed by:** | Dr Androniki Psifidi | **Date PS created/ reviewed:** | 30/05/2022 |

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| **Evidence** | | |
| **Competency** | **Essential** | **Desirable** |
| **Knowledge and**  **Experience** | PhD or near completion in a discipline directly related to Animal Genetics, Genomics and/or Bioinformatics. | PhD (or equivalent) related to quantitative genomics of poultry disease resistance. |
| **Analysis and Research** | Experience in quantitative genetics, Next Generation Sequencing analysis and merging of omics datasets.  Wet lab experience such as nucleic acid extractions and qRT-PCR. | Experience in Systems Biology approaches to highlight relevant gene pathways and networks controlling the studied traits.  Experience in computational programming and machine learning. |
| **Service Delivery** | Competence in data analysis, bioinformatics and genetics.  Competence in at least some of the following:  Whole Genome Sequencing,  RNA sequencing, Genome Wide Association Studies | Experience in working with poultry diseases, zoonosis and microbiome data. |
| **Planning &**  **Organising** | Previous experience of daily running of a project.  Ability to follow standard procedures to gather data, maintaining standards of  Health and Safety and Good Research Practice.  Previous laboratory management experience. | Previous experience in delivering projects.  Previous experience in organising scientific meetings. |
| **Teamwork and**  **Motivation** | Ability to work effectively both independently and as part of a team.  Enthusiasm for undertaking high quality research and addressing new challenges in the field. | Evidence of research curiosity and ability to develop research questions. |
| **Communication** | Ability to communicate effectively with academics, research staff, support staff and students.  Clear and precise written and verbal communication of scientific concepts and technical issues, to specialist and non-specialist audiences in English. | Competence in scientific communication, evidenced by an established record of peer-reviewed publications and conference presentations.  Experience of working in large consortia. |
| **Supervision** | Experience with mentoring and supervising research students. |  |