UNIVERSITY OF SURREY

Research Role Profile

Addendum to Role Profile

| Job Title: | Research Fellow (1A) |
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| Job Summary and Purpose: |
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| This information sheet 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:<br><br>The postholder will be responsible for the delivery of a project aimed to investigate the role of microRNAs in the modulation of the Wnt signalling in the articular cartilage and in osteoarthritis. The postholder will be responsible for:<br><br>-Determining which microRNAs are involved in modulating the balance of different branches of the Wnt signalling in articular chondrocytes<br><br>-Investigating the effect of the upregulation/downregulation of the expression of specific microRNAs on isolated articular chondrocytes or cartilage explants of human and/or animal origin<br><br>The postholder will be required to analyse the data and produce high profile/impact manuscripts deriving from them. |

| Main Responsibilities/Activities |
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| -Collection and processing of tissue samples of human/animal origin<br><br>-Performing experiments according to SOPs and Risk assessments, collection of experimental data and their analysis<br><br>-Responsible for maintenance and integrity of data records<br><br>-Ordering of reagents<br><br>-Manuscript preparation and submission upon previous agreement with manager<br><br>-Day-to-day supervision of PhD, Master and undergraduate research students when needed |

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| Person Specification |
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| The post holder must have:<br>-A PhD in biomedical/biological/pharmacological sciences or similar discipline<br><br>-Expertise in molecular biology techniques (cloning, gene expression analysis as minimum requirement)<br><br>-Expertise in cell biology techniques<br><br>-Good communication skills<br><br>Desirable<br><br>-Preparation, expansion and use of lenti and adenoviral vectors<br><br>-Experience in musculoskeletal research/cartilage biology<br><br>-Experience with bioinformatic analysis of large dataset |

| Relationships and Contacts |
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| The post-holder will report to Dr Giovanna Nalesso, Lecturer in Musculoskeletal Biology, University of Surrey |