

**JOB DESCRIPTION**

Senior Research Associate: **Cell and Developmental Biology**

**Vacancy Ref:** 0516-24

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| **Job Title:** Postdoctoral Research Associate | **Present Grade:** 7 |
| **Department/College:** Division of Biomedical & Life Sciences | |
| **Directly responsible to:** Dr Richard Mort and Dr Barbara Shih | |
| **(Co-)Supervisory responsibility for:** Project students and interns | |
| **Other contacts**  **Internal:** PhD students, project students and members of the Mort and Shih research groups staff and students in the Division of Biomedical and Life Sciences, technical and administrative support in the Division.  **External:**  Collaborating research scientists involved in the project, particularly Dr Kit Yates (The University of Bath) and PDRA based in his group, research councils and funding bodies, journal editors, societies and research networks, the general public during outreach activities. | |
| **Job Purpose:**   |  | | --- | | To design, perform, analyse and interpret experiments for the Leverhulme trust funded project “The Cellular and Clonal Basis of Dalmatian and Mouse Spots”. To make a major contribution to the publication of the results and provide preliminary data for new research proposals. | | |
| **Major Duties:**   * To conceive, design and perform experiments, analyse data and interpret results, specifically to use ATACseq to perform clonal analyses of Dalmatian melanocytes and to perform genetic clonal analyses in mice. * To keep a detailed record of experimental protocols and results for publication. * To communicate research findings during lab meetings, journal clubs and internal seminars. * To keep up to date with developments in the developmental patterning and melanocyte biology research fields. * To participate actively in the running of the research group, by providing expertise and technical training and contributing to resource management in the group. * To co-supervise undergraduate and postgraduate project students and summer interns. * To make significant contributions to the preparation of primary research manuscripts and reviews. * To present research findings at national and international conferences, in funding reports and external seminars. * To develop research projects and new lines of enquiry in collaboration with the PI (Dr Richard Mort, Dr Barbara Shih, Dr Kit Yates). * To contribute to the writing of funding applications to research councils and charities, as co-applicant or named postdoctoral researcher. * To participate in career development opportunities offered by the Division, and to gain further experience in teaching and outreach, as appropriate. | |