

**SENIOR RESEARCH ASSOCIATE IN INORGANIC & BIOPHYSICAL CHEMISTRY**

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| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview\* |
| To convey an appropriate rationale and interest in applying for the post | Essential | Supporting Statements |
| A PhD (or nearing completion of PhD with thesis to be submitted for examination by the time of interview) in chemistry or a related discipline | Essential | Application Form |
| Practical research experience in synthetic coordination or organometallic chemistry (inc. synthesis of organic ligands) | Essential | Application Form/Interview |
| Skills and experience in molecular characterization by NMR, UV-vis spectroscopy, IR spectroscopy and mass spectrometry | Essential | Application Form/Interview |
| Demonstrable publication record of research in a relevant area appropriate to career stage | Essential | Application Form |
| Experience of presentations (poster/oral) to internal/external audiences, commensurate with experience | Essential | Application Form |
| Excellent communication and interpersonal skills including team working | Essential | Application Form/Interview |
| Ability to lead research tasks, work independently, define research objectives, and prioritise and plan research | Essential | Supporting statements/Interview |
| Good time management and organisation skills, including the ability to contribute to management of the laboratory and research group. | Essential | Supporting statements/Interview |
| Ability to write reports/research papers and prepare presentation materials, using standard IT packages (MS Office) | Essential | Application form/Interview |
| Evidenced commitment to ongoing personal development and training with a willingness to undertake additional training to meet the requirements of the role | Essential | Interview |
| Relevant research experience, skills and knowledge in one or more of the following areas:   * Photoactive molecular organic or inorganic materials * DNA interactions with small molecules * Photophysical and biophysical measurement, including steady state and time resolved fluorescence/phosphorescence spectroscopy and circular dichroism * X-ray crystallography | Desirable | Application form/Supporting statements |

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* **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence eg award of a PhD. Will be “scored” as part of the shortlisting process.
* **Supporting Statements** - applicant are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
* **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.