Job Title: Research and Applications Scientist

Group: Discovery Science

Salary Band: TBC

Reports to: Discovery Science Team Leader

ROLE PURPOSE

The Research and Applications Scientist works with CCDC’s Discovery Science team on both science and software that is widely used by both high-profile industrial partners in the pharmaceutical and agrochemical industries as well as academic researchers and educators. The successful applicant will join the team in Cambridge, UK and engage in a wide range of duties from webinars and software testing, through to primary research and life-science consultancy services. The candidate will be expected to write scripts in python to advance and deliver the science.

MAIN DUTIES AND RESPONSIBILITIES

• Working with the Discovery Science team provide, scientific support for users as is necessary to build a strong scientific relationship;
• Obtain and maintain the required levels of scientific knowledge and expertise in CCDC’s products to be able to effectively perform the assigned scientific activities;
• Working with the Product Managers and the software development teams, carry out scientific software testing, as well as writing scientific documentation, marketing literature and other promotional material as required;
• Provide expert scientific user support externally, as well as internally collaborating with other CCDC staff as necessary to deliver positive outcomes for users;
• Provide scientific advice and guidance, from a user-perspective, as a part of Agile software development processes on relevant projects;
• Undertake strategic research projects in collaboration with the Discovery Science team and external partners to advance scientific understanding and to showcase the value of the CCDC software and science to our academic and industrial user communities;
• On occasion, provide professional services to external companies to maximise the value of using CSD software and data to address scientific questions.

Communication and information

• Report to and meet with their line manager at a minimum of once per month;

Our Values

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• Represent and promote the scientific interests of the company via the publication of papers and giving scientific presentations;
• Promote the company and its charitable aims within the scientific industrial and academic communities;
• Ensure effective internal communications both within the scientific team and across the organisation;
• Prepare scientific training materials on CCDC software for use in workshops and training courses for academic or industrial user communities and deliver them directly, by webinar or other appropriate methods.

Policies and Procedures

• Comply with all relevant policies and procedures
• Complete all documents required by the company policies and procedures

Other

• Undertake additional tasks and responsibilities as may be reasonably expected of the role and as necessary in order to achieve the objectives of the science group and CCDC goals.
## PERSON SPECIFICATION

### Education, Skills & Knowledge

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<tr>
<td>Educated to degree level or equivalent</td>
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<tr>
<td>PhD or equivalent in a chemistry related field</td>
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<tr>
<td>Proven knowledge of computational chemistry in drug discovery. A demonstrable interest in structural chemistry and the role of intermolecular interactions in protein-ligand systems.</td>
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<td>Experience of the Cambridge Structural Database System, data and software</td>
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<td>Experience of using structure-based and ligand-based molecular modelling in the context of drug design</td>
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<td>Experience of using initiative to drive forward research ideas</td>
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<td>Significant experience in Python scripting and the development and application of cheminformatics tools/workflows</td>
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<td>Experience of writing reports and summarizing scientific findings concisely and clearly</td>
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<td>Excellent communication and presentation skills</td>
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### Abilities

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<tr>
<td>Deliver work to deadlines</td>
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<td>Good attention to detail</td>
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<td>Manage own work and support that of others</td>
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<td>Scientific communication of concepts to software developers</td>
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<td>Self-organising and able to prioritise effectively</td>
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<td>Able to undertake international travel</td>
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### Experience

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<td>Can demonstrate ongoing scientific project delivery</td>
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<td>Experience in an organisation involved in structural science and/or software development or a related company</td>
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<td>Experience in pharmaceutical or consumer-based industry or academia</td>
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