



## JOB DESCRIPTION

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**Job Title:** Applications Scientist

**Salary Band:** TBC

**Reports to:** Materials Science Team Leader

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### SUMMARY OF THE ROLE

The Applications Scientist works with CCDC's 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 candidate will join the team in Cambridge, UK and engage in a wide range of research and applications duties from webinars and software testing, through to primary research.

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### MAIN DUTIES AND RESPONSIBILITIES

#### *Main responsibilities*

- Working with the Materials Science Team provide scientific support for Users as is necessary to build a strong scientific relationship;
- 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 process on relevant projects;
- Undertake strategic research projects in collaboration with the Materials 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.

#### *Communication and information*

- Report to and meeting with their line manager at a minimum of once per month;



- Represent and promote the scientific interests of the company via the publication of papers, the giving of 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

<b>Education, Skills &amp; Knowledge</b>	
Educated to degree level or equivalent	Essential
PhD or equivalent in a chemistry related field	Essential
Experience of assessing or investigating intermolecular interactions either with a view to understanding molecular packing or to engineering a particular motif or structure	Desirable
Structural chemistry expertise	Desirable
Knowledge of crystallography and/or a good appreciation of the value of structural information and how it is used.	Essential
Knowledge of current software tools in structural science	Desirable
Excellent communication and presentation skills	Essential
<b>Abilities</b>	
Delivering work to deadlines	Essential
Good attention to detail	Essential
Manage own work and support that of others	Essential
Scientific communication of concepts to software developers	Desirable
Self-organising and able to prioritise effectively	Essential
Able to undertake international travel	Essential
<b>Experience</b>	
Can demonstrate ongoing scientific project delivery	Essential
Experience in an organisation involved in structural science and/or software development or a related company	Desirable
Experience in pharmaceutical or consumer-based industry or academia	Desirable