

## THE UNIVERSITY OF NOTTINGHAM

### Recruitment Role Profile

<b>Job Title:</b>	Research Associate/Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)
<b>School/Department:</b>	Physics & Astronomy
<b>Job Family and Level:</b>	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
<b>Contract Status:</b>	Fixed Term until 30 <sup>th</sup> September 2019
<b>Hours of Work:</b>	36.25 hours per week
<b>Location:</b>	Physics Building A102 and associated laboratories
<b>Reporting to:</b>	Professor Peter Beton

**Purpose of the Role:**

The purpose of this role will be to have specific responsibility for research, for developing research objectives and proposals for a research project in the fluorescence of supramolecular networks and related projects. The post holder will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research, and will be responsible for writing up their work for publication.

The role holder will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

<b>Main Responsibilities</b>	
1.	To develop research objectives and proposals for own and/or collaborative research area.
2.	To plan and conduct research using recognised approaches, methodologies and techniques within the research area.
3.	To analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights to research area.
4.	To write up research work for publication and/or contribute to the dissemination at national/international conferences, resulting in successful research outputs.
5.	To identify opportunities and assist in writing bids for research grant applications. Prepare proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes.
6.	To build relationships with both internal and external contacts in order to exchange information, to form relationships for future collaborations and identify potential sources of funds and/or opportunities for collaboration.
7.	To co-ordinate the operational aspect of research networks, for example, arranging meetings and updating websites etc and contribute to collaborative decision making with colleagues in area of research.
8.	To provide support, guidance and supervision to other staff, where appropriate in own area of expertise.
9.	To supervise undergraduate and/or postgraduate students projects, fieldwork and placements, as appropriate. To participate in the assessment of student knowledge and co-supervise projects at Masters level.
10.	To collaborate with academic colleagues on areas of shared interest for example, course development, collaborative or joint research projects.

11.	To plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.
12.	To utilise and contribute to organising research resources and facilities, laboratories and workshops as appropriate.
13.	To make a contribution to teaching, for example through laboratory demonstrations, lectures to postgraduate workshops and/or delivery of Level 1 modules.

#### Knowledge, Skills, Qualifications & Experience

	<b>Essential</b>	<b>Desirable</b>
<b>Qualifications/ Education</b>	<p>PhD or equivalent in relevant subject area or the equivalent in professional qualifications and experience in research area.</p> <p><b>OR</b> Near to completion of a PhD</p>	
<b>Skills/Training</b>	<p>Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</p> <p>High analytical ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring new insights.</p> <p>Ability to creatively apply relevant research approaches, models, techniques and methods.</p> <p>Ability to assess and organise resource requirements and deploy effectively.</p> <p>Ability to build relationships and collaborate with others, both internally and externally.</p>	Ability to foster a research culture and commitment to learn in others.
<b>Experience</b>	<p>Some practical experience of applying the specialist skills and approaches and techniques required for the role.</p> <p>Experience in use of research methodologies and techniques to work within area.</p>	<p>Previous success in gaining support for externally funded research projects.</p> <p>Experience of developing new approaches, models, techniques or methods in research area.</p>