ROLE PROFILE

Job Title: Research Associate/Fellow in Organic Material Devices for Energy Generation and Storage

School/Department: School of Chemistry, University of Nottingham

Job Family and Level: Research & Teaching Level 4, Training Grade Level 4.

Contract Status: This post is available from 1st December 2019 or as soon as possible thereafter and will be offered on a fixed-term contract for a period of two years.

Hours of Work: Full-time (36.25 hours per week)

Location: University Park Campus

Reporting to: Professor David Amabilino

Purpose of the New Role:
The purpose of this role is the preparation of thin films of organic materials for incorporation into all kinds of energy generating and storing devices and determination of the device performance.

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<tr>
<th>Main Responsibilities</th>
<th>% time per year</th>
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<td>1. Conduce high quality experimental research and provide research leadership, including expert supervision of graduate and masters students</td>
<td>70%</td>
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<td>2. Write high quality scientific articles</td>
<td>15%</td>
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<td>3. Liaise with academic collaborators as appropriate and identify and develop opportunities for research grant funding proposals</td>
<td>10%</td>
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<td>4. Give presentations internally at group meetings and externally at conferences</td>
<td>5%</td>
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<td>5. You may be asked to perform other duties occasionally which are not included in the above but appropriate to the grade and consistent with the role</td>
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Knowledge, Skills, Qualifications & Experience

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<th>Qualifications/ Education</th>
<th>Essential</th>
<th>Desirable</th>
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| Qualifications/ Education | - Demonstrate excellence in preparation of thin films and experimental devices from organic materials.  
- PhD (or close to completion) in chemistry, physics or a related discipline. | |
| Skills/Training | - Extensive experience in organic thin film preparation and characterization, incorporation of films into devices for energy harvesting and storage.  
- Evaluation of energy storage/capture device performance. | - Ability to play a leading role in research group in developing independent research pathways.  
- Research experience across a range of materials chemistry and physics. |
| Other | - Excellent communication and interpersonal skills.  
- Ability to think creatively and independently and to develop new skills. | |
| Experience          | • Excellent practical experimental device preparation.  
|                    | • Proven track record in energy harvesting or storage device preparation and measurement, as evidenced by peer-reviewed publications.  
|                    | • Experience in advanced device preparation.  
|                    | • Experience in and modification of monolayers and thin films.  
| Statutory/Legal    | • To take care for the health and safety of yourself and of other persons who may be affected by your acts or omissions at work in accordance with the Health and Safety at Work Act 1974, EC directives and the University’s Safety, Health and Environment Policies and procedures and to cooperate with the University on any legal duties placed on it as the employer.  

The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women’s careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.