UNIVERSITY OF WARWICK

Job Description

Job title	Research Fellow – Marie Sklodwoska-Curie Actions First Stage Researcher
Department	Life Sciences
Grade	FA6

Job purpose (a brief summary of the role)	Undertake research in order to support the work of the Napier research group at the School of Life Sciences alongside the research on polymer design by the Becer research group in Warwick Chemistry. The project will continue to develop and enhance reputation of both research groups, both internally and externally. Assist the Project Leader and, where appropriate, project collaborators in the successful execution of the project.
Duties and responsibilities	**RESEARCH** • Help establish a robust research base within the department and around the network in order to develop and progress of the research objectives of this project. • Contribute to specified and collaborative research plans. • To publish research outcomes in appropriate journals of international standing and to publish and disseminate the results of research to other reputable outlets. • Translate knowledge of advances in the subject area of plant biology, chemistry and agriculture into societal value. • May present information on research progress and outcomes to bodies supervising research, e.g. the network steering group, secondment supervisors. • May contribute to the preparation of reports and papers for steering groups and other bodies. • Communicate complex information (orally and in writing) and material of a specialist or highly technical nature. • Continually update own knowledge and understanding in the fields of plant protection, agronomy, plant biology and polymer chemistry for agriculture. **TEACHING AND LEARNING SUPPORT** • Could be expected to contribute to the teaching and learning programmes in the department. • Assist in the supervision of student projects and the development of student research skills. **ADMINISTRATION AND OTHER ACTIVITIES** • Ensure compliance with health and safety in all aspects of work. • Work within budget constraints. The duties and responsibilities outlined are not intended to be an exhaustive list but provide guidance on the main aspects of the job. You will be required to be flexible in your duties.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	Good honours degree and possession of an MSc or equivalent in biology or agrochemistry, or in materials chemistry, especially those with an interest in applying advanced analytical techniques to plants.	A & C
E2	Applicants must have an interest in agriculture and need to be able to converse easily with synthetic chemists.	A,C & D
E3	A developing research profile with the ability to publish and/or produce high quality research outputs.	A,C & D
E4	Breadth or depth of specialist knowledge/expertise, especially those with experience in nanoparticles, fluorescence (confocal) microscopy, PCR and allied molecular techniques.	A,C & D
E5	Effective communication skills (oral and written), including the ability to articulate and present research results to an audience in English.	A,C & D
E6	Ability to work independently and/or as part of a team on research programmes.	A,C & D
E7	Evidence of research ability/experience and quality research output in refereed publications.	A,B,C & D

Desirable Criterion No.	Desirable Criterion Description	*Measured by*
D1	Expertise in fluorescence (confocal) microscopy and working with plants. We also welcome applications from people with experience in PCR and allied molecular techniques.	A,C & D
D2	Evidence of ability or potential to contribute to the development of funding proposals in order to generate external funding to support research projects.	A & C
D3	Evidence of work-related external activities such as outreach activities or similar.	A & C