

PERSON SPECIFICATION

Vacancy Ref: A3045

Senior Research Associate in Nanoscale Thermal Phenomena in 2D Materials  
(EU Graphene Flagship project)

Criteria	Essential/ Desirable	* Application Form/ Supporting Statements/ Interview
An awarded (or recently submitted or near completion) PhD in Materials Science, Physics, Engineering or a related subject	Essential	Application Form
Experience of practical laboratory research in physics, chemistry, electrical engineering or material science.	Essential	Supporting Statements
An excellent publication record commensurate with the career status	Essential	Application Form
Hands-on experience in the advanced scanning probe microscopy OR nanoscale physical properties measurements of 2D materials.	Essential	Supporting Statements/ Interview
Excellent interpersonal skills including team working and a collegiate approach, organisational, time management and project management skills.	Essential	Supporting statements/Interview
Experience in at least one of the following – nanoscale thermal transport OR modelling/simulation OR exploration of two-dimensional or related materials	Essential	Supporting statements/Interview
Willingness to undertake additional training to meet the requirements of the role	Essential	Interview
Knowledge or experience in the scanning thermal microscopy or thermoelectric phenomena	Desirable	Application Form/Supporting Statements
Experience in the setting up complex experiments including controlled environment (glove box, vacuum, cryogenic, etc).	Desirable	Application Form/Supporting Statements
Excellent reporting, communication (oral and written) and project management skills	Desirable	Supporting statements/Interview

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- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence eg award of a qualification. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicants are asked to provide a statement as part of their application to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.