



Horizon 2020



A Marie Skłodowska-Curie Actions Innovative Training Network (ITN)

## Marie Skłodowska-Curie Early Stage Researchers in optics of 2D materials beyond graphene (two posts) - Sheffield, UK

The Department of Physics and Astronomy at the University of Sheffield is looking to appoint two Early Stage Researchers (PhD student equivalent) in physics and devices of 2D materials to work as part of a multi-national Horizon-2020 Marie Skłodowska-Curie ITN 'Spin-NANO'.



You will be employed as salaried researchers at the University of Sheffield, and will study for a PhD in the physics of 2D materials beyond graphene.

In this project, you will carry out fabrication and optical investigations of novel heterostructures built from layered 2D materials beyond graphene. You will use 2D heterostructures to explore polariton physics in novel microcavity devices, study single-photon emitting centres in 2D films, spin and valley physics in 2D semiconductors, and explore 2D superconductivity.

You will be required to have strong background in solid state physics and have completed a Masters in this or related discipline (or have equivalent experience). Experience in optical spectroscopy and use of a clean room is also desirable.

The salary for this post is £21,998.57 per annum (plus pension and NI contributions) plus a monthly mobility allowance of £389.57 and monthly family allowance of £332.14 (subject to meeting eligibility criteria).

Post 1 - start date March 2016

Post 2 - start date September 2016

For any inquiries about the post, please contact - Prof Alexander Tartakovskii at [a.tartakovskii@sheffield.ac.uk](mailto:a.tartakovskii@sheffield.ac.uk)

For more information about the group please visit [www.lsd.group.shef.ac.uk/research/2d-materials](http://www.lsd.group.shef.ac.uk/research/2d-materials)

### APPLY ONLINE

University of Sheffield Job Reference Number - UOS011751

<http://www.jobs.ac.uk/job/AMB906/marie-curie-early-stage-researcher/>

Closing Date – 4 November 2015