

## Marie Skłodowska-Curie Actions (MSCA) Global Fellowships (GF)

Applications are invited for a postdoctoral research position in experimental physics to study *Ferromagnetic vdW heterostructures*. The main tasks the research project will comprise are: *i*) MBE growth of group-VI transition-metal dichalcogenide heterostructures; *ii*) *in-situ* characterization of their interfacial properties by combining scanning tunnelling microscopy and spectroscopy (STM/STS), angle-resolved photoelectron spectroscopy (ARPES) and X-ray circular magnetic dichroism (XMCD); *iii*) *ex-situ* characterization of magnetic properties by ferromagnetic resonance and magnetotransport measurements. See attached proposal summary for further details.

Solid background in condensed matter physics and low dimensional electronic and magnetic phenomena, and experience in one or more of the above-mentioned techniques is required. Candidates must also possess good command of oral and written English. Interested candidates will be requested to apply to a Marie Skłodowska-Curie Actions Global Fellowship (MSCA-GF). This is a two phase Fellowship that covers a 3 year position with a competitive salary. The first phase consists of 24 months that will be carried out at the Third Country (non-EU) host group. A second phase of 12 months will be carried out at the EU host group.

Interested applicants may request further information and send their CV and a brief statement of interests to Prof. Andrew Wee and Prof. Aitor Mugarza at the e-mail addresses given below.

### *Contact info:*

#### Third Country Host Group:

Prof. Andrew Wee: [phyweets@nus.edu.sg](mailto:phyweets@nus.edu.sg)  
Surface Science Lab @ National University of Singapore (NUS)  
Group webpage: <https://www.physics.nus.edu.sg/~surface/>

#### EU Host Group:

Prof. Aitor Mugarza: [aitor.mugarza@icn2.cat](mailto:aitor.mugarza@icn2.cat)  
Atomic Manipulation and Spectroscopy Group @ Institute of Nanoscience and  
Nanotechnology (ICN2)  
Group webpage: <http://ams.icn2.cat/>