Thesis Project Offer

Joint Research and Education Programme “Palestinian-German Science Bridge PGSB”
Forschungszentrum Jülich GmbH & Palestine Academy for Science and Technology

Thesis type*

☐ BSc  ☐ MSc  ☒ PhD  Intended starting date (approx.): flexible

Contact details of supervisor/responsible host at Forschungszentrum Jülich

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Co-Supervisor at Palestinian university (if applicable)

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University/institution  Department/faculty/institute

Project description*

Molecular Spintronics

The aim of this work is to explore the potential of spintronics on a molecular level. For this purpose, we will study spin-dependent transport through specifically designed molecules by means of spin-resolved scanning tunneling microscopy. The molecules are stabilized on a magnetic or nonmagnetic substrate, thereby forming a novel spin hybrid. Understanding the magnetic and transport properties of these spin hybrids will be the key to unlock molecular spintronics.
Date*  Signature*
21.9.17  [Signature]

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