

Opening of a **Ph.D. position at the University of Alicante** in the framework of the SAMSUNG Global Research Outreach (GRO) program, in the project called **“Bottom-up computational design of efficient blue emitting materials for OLEDs”**. Through the GRO program, innovative research ideas have been evaluated for their novelty and alignment with SAMSUNG's different research fields. The University of Alicante is the representative University of a Consortium formed together with the University of Mons (Belgium) and the University of Bologna (Italy). The project takes place in the field of materials science and organic electronics and aims at developing an approach able to characterize the properties of Organic Light-Emitting Diodes (OLEDs) from a bottom-up perspective using computational methods. It represents an opportunity to deal with industry-oriented research to build a mutually beneficial research relationship.

- **BACKGROUND**

We are looking for a Ph.D. student (highly motivated and skillful) with a strong motivation in computational chemistry/physics and having experience with quantum chemistry (DFT) and/or molecular mechanics/dynamics techniques and corresponding softwares. He/she will also need good written and spoken English, as well as communication skills to interact with all the partners; he/she will also have to be available for travels and secondments in Mons and Bologna.

- **CONTACT**

Ask any further information or apply for this position by sending your brief CV (in English and before 30th September) to:

Prof. Juan Carlos Sancho-García (E-mail: jc.sancho@ua.es)
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Universidad de Alicante, E-03080 Alicante (Spain)

- **POSITION**

The position is available for one year but it can be extended up to three years. Current local regulation and stipends will be applied. The candidate will benefit from the computational facilities available in all groups and their broad expertise in classical and quantum-chemical characterization of the structural, electronic, optical and conducting properties of isolated and nanostructured systems.