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HR EXCELLENCE IN RESEARCH

## OPEN POST-DOCTORAL POSITION

IMDEA Materials (Madrid Institute for Advanced Studies of Materials) is a non-profit, independent research institute, promoted by the Regional Government de Madrid (Spain) to carry out research in Materials Science and Engineering. IMDEA Materials Institute is committed to excellence in research by attracting talent from all over the world and to foster technology transfer to the industrial sector in a truly international environment. More information about the activities of the Institute can be found at <http://www.materials.imdea.org>

IMDEA Materials Institute is looking for a:

**Research Associate  
(PhD in Materials Science)  
(Ref: STEM01)**



to work in the research project STEM (structural energy harvesting composite composites) funded by an ERC Starting Grant. The research activities will be focused on the synthesis of carbon nanotubes by chemical vapour deposition (CVD) and assembly as a continuous macroscopic fibre, as well as its characterization by advanced electron microscopy, spectroscopy and WAXS-SAXS. The candidate will develop strategies for molecular control of these fibres, building on the group's expertise in CNT type control and chirality studies on kilometer-long CNT fibres. For more information about the Multifunctional Nanocomposites Group see:

<http://www.materials.imdea.org/groups/mng/>

**Requirements:** Candidates should hold a PhD in Materials Science, Chemistry (or related discipline), have previous experience in gas-phase catalysis or growth of nanostructures by CVD. Excellent academic credentials and a strong commitment to develop an academic career in an international and multidisciplinary environment are expected.

Fluent oral and written English is required.

No knowledge of Spanish is required (free lessons provided)

**Conditions:** Full time contract including social security coverage. Salary depending on previous experience and credentials.

**Starting date:** April-June 2016

**Application:** Interested candidates should submit their Curriculum Vitae (including complete contact information for two references) and a one-page statement of their research objectives through the institute's website:

<http://www.materials.imdea.org/open-positions/applicationform?ref=STEM01>