



SCIENTIST POSITIONS at IMDEA Materials Institute

IMDEA Materials Institute is a public research organization founded in 2007 by Madrid's regional government to carry out research of excellence in Material Science and Engineering by attracting talent from all over world to work in an international and multidisciplinary environment. IMDEA Materials has grown rapidly since its foundation and currently includes more than 120 researchers from 17 nationalities and has become one of the leading research centers in materials in Europe which has received the María de Maeztu seal of excellence from the Spanish government. The research activities have been focused in the areas of materials for transport and materials for energy and the Institute has state-of-the-art facilities for processing, characterization and simulation of advanced materials. More information can be found at <http://www.imdea.org/materials>

The strategic plan of the Institute is aimed at expanding the research activities into the area of **Materials for Health Care** with the support of the Maria de Maeztu program. To this end, IMDEA Materials has opened two new positions of either Researchers (tenure-track) or Senior Researchers (tenured) in the following areas:

- **Materials and scaffolds for biomedical applications.** He/she will bring expertise in the areas of cell culture, tissue growth, biocompatibility, bioactive agents for cell proliferation, etc. and is expected to take advantage of the current capabilities of the institute in advanced processing, characterization and simulation of materials to establish a multidisciplinary program. (Reference IC2019_01).

- **Biomechanics of biological tissues,** including characterization, modelling and simulation of the mechanical behavior of healthy and pathological biological tissues and their interaction with implants, prothesis and orthosis. He/she is expected to interact with the strong program in multiscale materials modelling in the Institute to expand its activities into the area of biological materials. (Reference IC2019_02).

Candidates should hold a doctoral degree in Materials Science (or related discipline) and demonstrate the ability to carry out independent research which combines high quality scientific research with technology transfer to industry, particularly for senior appointments. Leadership to develop an independent group within the institute's framework of research activities and good communication skills are required.

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://jobs.materials.imdea.org/>). Selected candidates will be offered a five-years contract (for tenure-track appointments) with competitive salary and a generous startup package.