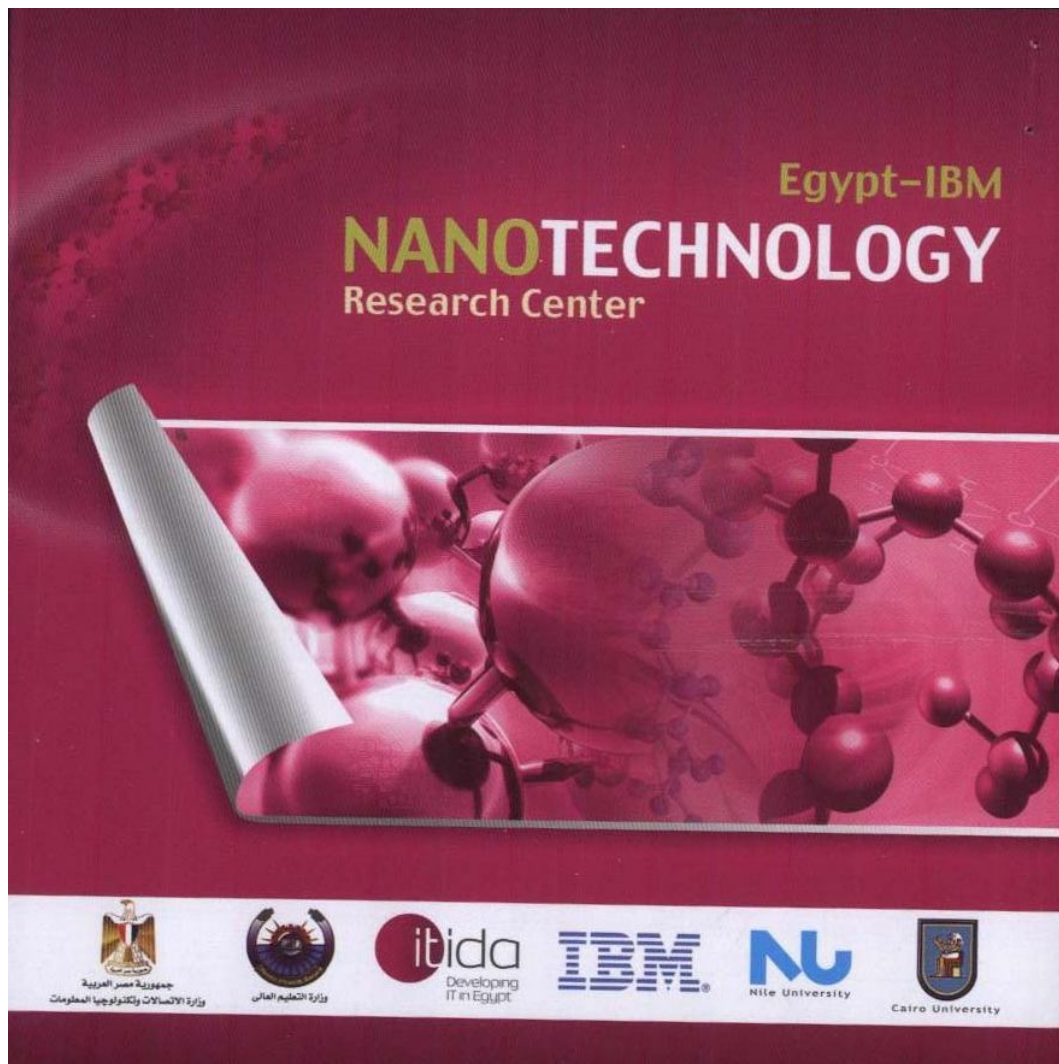


وظائف بحثية بالمركز المصري لأبحاث النانو



Egypt-IBM

NANOTECHNOLOGY

Research Center



The Government of Egypt recently signed an agreement with IBM to establish a world-class research center in Egypt with the objective developing expertise in nanoscience and nanotechnology. IBM has a history of innovation and technology leadership, and has developed extensive experience and knowledge within the fields of nanoscience and nanotechnology, with proprietary know-how related to these fields. The newly created Center exhibits state-of-the-art facilities and equipment, and establishes vehicle for cooperate with IBM in the field of nanotechnology

Candidates must have an excellent academic record and an affinity to conceptualize, initiate, and conduct research in the Research Areas stated. English language fluency (spoken and written) is essential, as are good writing and oral communication skills.

Successful candidates will contribute to or lead research activities in the Egypt-IBM Nanotechnology Research Center, they will also receive training and professional development for 12 to 18 months at IBM Research Laboratories (Switzerland and/or the United States) in the Project Areas, including insight into IBM's process, operations, and analytical techniques. Compensation and benefits are internationally competitive



Research Areas

The Egypt-IBM Nanotechnology Research Center is looking to hire qualified candidates for research positions in the following focus areas (the Project Areas):-



Thin Film Silicon Photovoltaics

Candidates should have an advanced degree in electrical engineering, physics, or material science, with interest and experience in semiconductor technology, integrated circuit fabrication, or designing semiconductor devices including silicon solar cells.

Spin-On Carbon-Based Electrodes for Thin Film Photovoltaics

Candidates should have an advanced degree in material science, chemistry, physics, or applied physics, with interest and experience in carbon-based materials.

Energy Recovery from Concentrated Photovoltaics for Desalination

Candidates should have an advanced degree with a strong interdisciplinary background in engineering and physics or optics, with interest and experience in material science, sustainable energy, electronics packaging, or thermal management

Computational Modeling and Simulation

Candidates should have an advanced degree in computational material science (chemistry, physics, and related engineering areas), with interest and experience in simulation of bulk and transport properties of materials, quantum chemistry techniques, Monte Carlo or molecular dynamics simulation, and high performance computing.



Research & Innovation

For more details and application information
please visit our website
<http://www.egnc-ibm.gov.eg>