

# 2017 Arab-American Frontiers Fellows

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## **Advanced Microfluidic and Microdevices for Stem Cell Research**

Visiting Fellow: Zeinab M. El Maadawi, Cairo University, Egypt

Host Fellow: Mohammad Qasaimeh, New York University Abu Dhabi, UAE

## **Biomedical Applications of Electromagnetic Waves**

Visiting Fellow: Dr. Nader Behdad, University of Wisconsin-Madison, United States

Host Fellow: Dr. Mohammad Essaaidi, University of Mohamad V, Morocco

## **Development of Diffuse X-ray Scattering Imaging for In-Vivo Study and Nondestructive Characterization**

Visiting Fellow: Dr. Li Liu, Rensselaer Polytechnic Institute, United States

Host Fellow: Dr. TieJun Zhang, Masdar Institute of Science and Technology, UAE

## **Electrochemical Sensing for the Detection and Quantification of Inorganic Compounds in Water**

Visiting Fellow: Dr. Antoine Ghauch, American University of Beirut, Lebanon

Host Fellow: Dr. Junhong Chen, University of Wisconsin, United States

## **Fabricating High Quality Nanowires and Graphene to Build Flexible Electronics Devices Based on 2d Materials**

Visiting Fellow: Dr. Majid Salim Al-Ruqeishi, Sultan Qaboos University, Oman

Host Fellow: Dr. SungWoo, University of Illinois at Urbana-Champaign, United States

## **Nano-Bioelectrochemical System for Monitoring Biofilm Formation**

Visiting Fellow: Dr. Rabeay Y. A. Hassan, National Research Centre, Egypt

Host Fellow: Dr. E. Silvana Andreescu, Clarkson University

## **Smart Polymer Brushes for Antifouling Applications**

Visiting Fellow: Dr. Emad Al-Sarraj, Al-Nahrain University, Iraq

Host Fellow: Dr. Jacinta Conrad, University of Houston, United States

## **Targeted Spherical Nucleic Acid Nanotheranostic Combination for Traumatic Brain Injury (TBI) Therapy**

Visiting Fellow: Dr. Firas Kobeissy, American University of Beirut, Lebanon

Host Fellow: Dr. Khalid Salaita, Emory University, United States



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