

# 2016 Arab-American Frontiers Fellows

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## **Laser-induced Particle Adsorption on Atomically Thin MoS<sub>2</sub>**

Visiting Fellow: Dr. Frank W. DelRio, National Institute of Standards and Technology, USA

Host Fellow: Dr. Mohammed R. Amer, King Abdulaziz City for Science and Technology, Saudi Arabia

## **Smartphone-based Portable Device for the Detection of Infectious Diseases in Water**

Visiting Fellow: Dr. Pierre Karam, American University of Beirut, Lebanon

Host Fellow: Dr. Aydogan Ozcan, University of California Los Angeles, USA

## **Developing Novel Lipid-polymer Hybrid Nanoparticles (LPHNs) for Targeted Delivery of Therapeutics for Chronic Myeloid Leukemia (CML)**

Visiting Fellow: Dr. Mazin Magzoub, New York University Abu Dhabi, UAE

Host Fellow: Dr. Rihab Nasr, American University of Beirut, Lebanon

## **Development of Electrochemical Biosensing Systems Applying Nanomaterials**

Visiting Fellow: Dr. Nouredine Raoufi, University of Tunis El-Manar, Tunisia

Host Fellow: Dr. Alaa Al-Halhouli, German Jordan University, Jordan

Host Fellow: Dr. Digambara Patra, American University of Beirut, Lebanon

## **Blind Source Separation for Improved Power Characterization through Infrared Imaging**

Visiting Fellow: Dr. Mohamed Belouchrani, Ecole Nationale Polytechnique, Algeria

Host Fellow: Dr. Sherief Reda, Brown University, USA