



NATIONAL ACADEMY OF SCIENCES



Ministry of Scientific Research  
Arab Republic of Egypt



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Science and Technology Development Fund (STDF)

## ***U.S. - Egypt Joint Board on Scientific and Technology Cooperation***

### **JOINT FUND SYMPOSIUM**

OCTOBER 24 – 25, 2016

INTERCONTINENTAL HOTEL CAIRO SEMIRAMIS

CORNICHE EL NIL, CAIRO, 11511, EGYPT

The 2016 Joint Fund Symposium will highlight the plans and accomplishments of current and former grantees of the U.S. - Egypt Science and Technology Joint Fund. This two-day Symposium will provide an opportunity for grantees to meet other program participants, discuss their research plans, and present the outcomes of past collaborative scientific research projects.

### **Monday, October 24**

#### **10:00 – 10:45 Welcome**

- Ms. Rebecca Latorraca, *Deputy Mission Director, USAID*
- Dr. Essam Khamis Ibrahim, *Deputy Minister of Higher Education and Scientific Research*

#### **10:45 – 11:15 Program expectations for Cycle 17 PIs**

- Ms. Katherine Matheson, *Program Officer, U.S. - Egypt S&T Joint Fund, The National Academies of Sciences, Engineering, and Medicine (NAS)*
- Discussion and Q&A with Katherine Matheson; Dr. Teresa Stoepler, *Program Officer, U.S. - Egypt S&T Joint Fund, NAS*; and Dr. Samer El-Haw, *U.S. - Egypt Coordinator, Science and Technology Development Fund (STDF)*

#### **11:15 – 11:30 Coffee break**

### **11:30 – 13:00 Alumni PI session**

Moderator: Dr. Ghada Bassioni, *Professor at the Faculty of Engineering, Ain Shams University and Technical Officer, STDF*

Panelists:

- Dr. Hesham El-Ghazaly (Representing the Cycle 16 project: *Viral Load Changes and Placental Infection in Hepatitis C-infected Pregnant Women*)
- Dr. Dionysios Dionysiou (Representing the Cycle 15 project: *Visible Light-Activated Mixed Anatase/Brookite Heterojunction Titania Photocatalysts For Treatment of Polluted Water*)
- Dr. Ahmed Sabry Mahmoud Hegazy (Representing the Cycle 15 project: *Analytical and Experimental Study of Novel Methods for Cooling Steam Power Plant Condenser*)
- Dr. Metwally Abu Hamd (Representing the Cycle 15 project: *Use of Cold Formed Steel in Residential Housing*)

### **13:00 – 14:30 Lunch (provided on site)**

### **14:30 – 16:00 Cycle 17 health session #1**

Moderator: Dr. Kamilia Amin, *Professor at the Faculty of Pharmacy, Cairo University and Technical Officer, STDF*

Panelists:

- Dr. Ramsey Badawi (Representing the Cycle 17 project: *A PET Tool Kit for Egyptian Biomedical Researchers*)
- Dr. Ayman El-Baz (Representing the Cycle 17 project: *Integrated Probabilistic and Computational Framework for Analyzing 3D/4D Contrast-Enhanced Medical Images*)
- Dr. Mona Fouad (Representing the Cycle 17 project: *Transdisciplinary Collaborative Center (TCC) for Colorectal Cancer Research*)
- Dr. Samuel Hudson (Representing the Cycle 17 project: *A Medical Textile for Comprehensive Wound Care: A Laminated Multifunctional Electrospun Fabric that is Hemostatic, Anti-Inflammatory and Anti-Microbial*)

### **16:00 – 17:00 Pre-reception break**

### **17:00 – 19:00 Reception with grantees, higher education officials, and others.**

## **Tuesday, October 25**

### **10:00 – 11:30 Cycle 17 agriculture session**

Moderator: Dr. Pamela Starke-Reed, *Deputy Administrator, Nutrition, Food Safety and Quality, Agricultural Research Service, U.S. Department of Agriculture (USDA)*

Panelists:

- Dr. Mahmoud Gamil Mohammed Ibrahim (Representing the Cycle 17 project: *Molecular and Antigenic Evolution of H5N1 Avian Influenza Virus in Egypt and Development of Broadly Effective Vaccine*)
- Dr. Fahiem El-Borai Kora (Representing the Cycle 17 project: *Preparing and Evaluating IPM Tactics for Increasing Strawberry and Citrus Production*)
- Dr. Mohamed Youssef (Representing the Cycle 17 project: *Sustainable Agricultural Drainage in the Nile Delta of Egypt*)
- Dr. Sameh Heikal Youseif (Representing the Cycle 17 project: *Rhizobacterial Application to Improve Wheat Crop and Reduce Chemical Fertilizer Inputs under Drought Stress*)

### **11:30 – 11:45 Coffee break**

### **11:45 – 13:15 Cycle 17 energy and water session**

Moderator: Dr. Lara Campbell, *Program Director in the Office of International Science and Engineering, National Science Foundation (NSF)*

Panelists:

- Dr. Qiquan Qiao (Representing the Cycle 17 project: *Development of Highly Efficient Tandem Perovskite/Polymer Solar Cells*)
- Dr. Edwin Rivera (Representing the Cycle 17 project: *Porous-Organic Polymers for CO<sub>2</sub> Capture Applications: Structure-Property Relationships through Nuclear Magnetic Resonance*)
- Dr. Said M. El-Sheikh (Representing the Cycle 17 project: *An Environmental Friendly Systematic Strategy for Eliminating Red Tide Algal Cells and Toxins from Marine and Freshwater Sources*)
- Dr. Mohamed Sultan (Representing the Cycle 17 project: *An Integrated Approach for a Better Understanding of the Hydrologic Setting, Longevity, and Optimum Utilization of the Nubian Sandstone Aquifer System in Egypt*)

### **13:15 – 14:45 Lunch (provided on site)**

## **14:45 – 16:00 Cycle 17 health session #2**

Moderator: Dr. Andrew Hebbeler, *Deputy Director of the Office of Science and Technology Cooperation, U.S. Department of State*

Panelists:

- Dr. Abdelrahman S. Mayhoub (Representing the Cycle 17 project: *Development of Next Generation Arythiazoles for Combating Methicillin and Vancomycin Resistant Staphylococcus Aureus*)
- Dr. Mark Miller (Representing the Cycle 17 project: *A Neurobiological Approach to Vector Control for Intestinal Schistosomiasis*)
- Dr. Jayoung Kim (Representing the Cycle 17 project: *Epigenetic Characterization of Predictors of Cisplatin Chemoresistance in Muscle Invasive Bladder Cancer*)

## **16:00 – 16:15 Closing remarks and thanks**

- Dr. Samer El-Haw, *U.S. - Egypt Coordinator, STDF*
- Dr. Andrew Hebbeler, *Deputy Director of the Office of Science and Technology Cooperation, U.S. Department of State*