## Scientific Program

**Day 1 | June 08, 2016**

### Frisco

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:30-10:00</td>
<td>Registrations</td>
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<tr>
<td>10:00-10:15</td>
<td><strong>Opening Ceremony</strong></td>
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<tr>
<td>10:15-11:00</td>
<td><strong>Keynote Forum</strong></td>
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<td></td>
<td><em>Introduction</em></td>
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<tr>
<td>12:00-12:40</td>
<td><strong>Sessions</strong></td>
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<tr>
<td>12:05-12:10</td>
<td><strong>Track 1: Nanotechnology in Medicine</strong></td>
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<tr>
<td>12:10-12:40</td>
<td><em>Characterizing the nanobio interface of bio-metal or bio-metal oxide nanoparticles: Impact on the function and delivery of proteins and RNA</em></td>
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<td>12:40-13:10</td>
<td><em>Chitosan-propolis nanoformulation for combating Enterococcus faecalis biofilms in vitro</em></td>
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<td><em>A new protocol for photothermal therapy of cancer using folate conjugated gold nanoparticles</em></td>
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<td><em>Photodynamic cancer therapy of Ag@ZrO2 of core-shell nanoparticles in vitro</em></td>
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### Keynote Forum

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<td>10:15-11:00</td>
<td><strong>Impact of nanobiotechnology on the future of medicine (Nanomedicine): The road towards precision medicine</strong></td>
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<td><strong>Shaker A Mousa</strong>, Albany college of Pharmacy and Health Science, USA</td>
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<tr>
<td>11:15-12:00</td>
<td><strong>Mechanism of cancer sensing using quantum dots and metallic nanostructures</strong></td>
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<td><strong>Mahi R Singh</strong>, Western University, Canada</td>
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<td>12:05-12:10</td>
<td><strong>Session Chair: Shaker A Mousa</strong>, Albany college of Pharmacy and Health Science, USA</td>
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<td>12:05-12:10</td>
<td><strong>Session Co-Chair: Robert K DeLong</strong>, Kansas State University, USA</td>
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### Group photo

**12:00 - 12:05**

**Sessions 12:05 - 12:10**

**Track 1: Nanotechnology in Medicine**
**Track 2: Nanopharmaceuticals**
**Track 3: Medical Nanotechnology in cancer therapy**
**Track 7: Nanotechnology in Bone Regeneration**
**Track 8: Nanotechnology for Treatment of Stroke and Spinal Cord Injury**

**Session Chair:** **Shaker A Mousa**, Albany college of Pharmacy and Health Science, USA

**Session Co-Chair:** **Robert K DeLong**, Kansas State University, USA

### Session Introduction

**12:10-12:40**

**Robert K DeLong**, Kansas State University, USA

**12:40-13:10**

**Fabian Davamani**, B K Mody Government Pharmacy College, Malaysia

**Panel Discussion**

**Lunch Break: 13:10-13:40 @ Waterfall Atrium**
**14:40-15:10**
**Surface modification of biosynthesized ZnO nanoparticles by PEG and their antioxidant activity**
B Deva Prasad Raju, Sri Venkateswara University, India

**15:10-15:40**
**Nanobased phytopotential of Canthium coromandelicium against fluoride induced nephrotoxicity**
M Suriyavathana, Periyar University, India

**15:40-16:10**
**pHLIP® technology for targeting of gold nanoparticles to tumors**
Jennifer L Daniels, University of Rhode Island, USA

**Panel Discussion**

**Networking & Refreshments: 16:10-16:25 @ Foyer**

**16:25-16:55**
**Non-invasive cell tracking system using lipid supported polymeric nanoparticle**
Woo Jung Shin, Sungkyunkwan University, South Korea

**16:55-17:25**
**Formulation and delivery of lipophilic drugs to cancer cells by pHLIP® coated liposomes**
Mohan C Pereira, University of Rhode Island, USA

**17:25-17:55**
**Detection of nanoparticle and drug-induced apoptosis in circulating cells in vivo**
Jacqueline Nolan, University of Arkansas for Medical Sciences, USA

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**Day 2**
**June 09, 2016**

**Frisco**

**Keynote Forum**

**Introduction**
9:30-10:15  *Quick fabrication of highly porous dual tissue scaffolds using textile techniques*
Abdel Salam H Makhlouf, University of Texas Rio Grande Valley, USA

**Sessions 10:15-10:20**

- **Track 4: Biomedical Nanomaterials**
- **Track 5: Medical Nanotechnology Devices**
- **Track 6: Nanotechnology in Cardiovascular Medicine**

**Session Chair:** Agnès Bonvilain, University of Grenoble Alpes, France
**Session Co-Chair:** Fabian Davamani, B K Mody Government Pharmacy College, Malaysia

**10:20-11:50**  *Microsensors for instrumented medical tools for their real time monitoring*
Agnès Bonvilain, University of Grenoble Alpes, France

**Panel Discussion**

**Networking & Refreshments: 10:50 - 11:05 @ Foyer**

**11:05-11:35**  *Rivastigmine loaded solid lipid nanoparticles: Formulation and in vitro characterization and antioxidant activity*
N John Sushma, Sri Padmavati Women’s University, India

**11:35-12:05**  *Security in pervasive healthcare systems*
Mary Mehrnoosh Eshaghian-Wilner, University of Southern California, USA

**12:05-12:35**  *A study of biophotonic sensors in metallic nano-hole structures*
Mahi R Singh, Western University, Canada

**12:35-13:05**  *Bioinspired hemozoin nanocrystals as high contrast photoacoustic agents for ultrasensitive malaria diagnosis*
Kai A Carey, University of Arkansas for Medical Sciences, USA

**Panel Discussion**
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<tr>
<td>13:50-14:20</td>
<td>Two Dimensional Fluorescence Difference Spectroscopy (2D FDS) to characterize nanoparticles and their interactions</td>
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<td>Miranda N Hurst, Kansas State University, USA</td>
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<td>14:20-14:50</td>
<td>The quest to achieving a concerted cancer treatment: Challenges in nanotheranostics delivery</td>
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<td>Yaw Opoku-Damoah, China Pharmaceutical University, China</td>
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<td>14:50-15:20</td>
<td>Photoswitchable nonfluorescent nanoprobes for tracking individual tumor and bacterial cells</td>
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<td>Walter Harrington, University of Arkansas at Little Rock, USA</td>
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**Workshop**

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<tr>
<td>15:20-16:20</td>
<td>Nanoclays and nanoceramics in diagnostic microbiology</td>
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<td>Claudio Rodriguez Martínez, National Center of Biological Products, Cuba</td>
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**Panel Discussion**

**Networking & Refreshments: 16:20 - 16:35 @ Foyer**

**Poster Presentations: 16:35-17:35**

- **pHLIP® Technology for Targeting of Gold Nanoparticles to Tumors**
  - Jennifer L. Daniels, University of Rhode Island, USA

- **Cobalt oxide nanoparticle mediated delivery of Splice Switching Oligonucleotides (SSO) RNA**
  - Miranda N Hurst, Kansas State University, USA

- **The effects of nanoparticles on the structure and function of proteins luciferase and β-galactosidase**
  - Ashley Gasiorowski, Kansas State University, USA

- **Detection of nanoparticle and drug-induced apoptosis in circulating cells in vivo**
  - Jacqueline Nolan, University of Arkansas for Medical Sciences, USA

- **Formulation and delivery of lipophilic drugs to cancer cells by pHLIP® coated liposomes**
  - Mohan C Pereira, University of Rhode Island, USA

- **Photoswitchable nonfluorescent nanoprobes for tracking individual tumor and bacterial cells**
  - Walter Harrington, University of Arkansas at Little Rock, USA

- **Bioinspired hemozoin nanocrystals as high contrast photoacoustic agents for ultrasensitive malaria diagnosis**
  - Kai A Carey, University of Arkansas for Medical Sciences, USA

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**Bookmark your dates**

**15th World Medical Nanotechnology Congress & Expo**

July 28-29, 2017    Frankfurt, Germany

E-mail: medicalnanotechnology@insightconferences.com
Website: medicalnanotechnology.conferenceseries.com/