Annual Conference on
3D Printing &
Bio-printing in Healthcare

Venue Date
August 20-21, 2018

Singapore City, Singapore

Reserve Your Seat Online at: www.meetingsint.com/conferences/3dprinting
### SCIENTIFIC PROGRAM

#### Day 1
20-Aug-18

#### Registrations

#### Opening Ceremony

**Keynote Forum**

**ALEXANDER M. KORSUNSKY**, University of Oxford, United Kingdom

**VENKATESAN RENUGOPALAKRISHNAN**, Northeastern University and Boston Children Hospital, USA

**DING JUN**, National University of Singapore, Singapore

**JIAWEI MI**, University of HULL, United Kingdom

**Networking & Refreshment Break**

#### Session Chair: JIAWEI MI, University of HULL, United Kingdom

**Bioprinting of Growth Factors to Repair Bone-Tendon-Muscle units**

Ker Dai Fei Elmer, Chinese University of Hong Kong, Hong Kong

**Biofabrication of a tumour microenvironment on-a-chip.**

Daniel Nieto, Oxford Institute of Biomedical Engineering, Spain

**Additive manufacturing of ceramic structures**

Jun Ding, National University of Singapore, Singapore

**Networking & Lunch Break**

#### Additive Manufacturing Inspired Machine Learning and Synchrotron Experiments

Rollett Andrew, Carnegie Mellon University, USA

**Workshop**

**3D to 4D printing: working principles and example applications**

Wei Min Huang, Singapore

**Personalized design and 3D printing for human total ankle prostheses: in-silico and in-vitro experimental evaluation**

Claudio Belvedere, IDBN, Italy

**3D Printing and Bio Printing Methods and applications**

Mr. Miles Podmore, Medairum Pte Ltd, Singapore

**Session Discussion**

**Networking & Refreshment Break**

#### Session Chair: Jian LU

**3D and 4D printing of metallic and ceramic nanomaterials for biomedical applications**

Jian LU, University of Hong Kong, Hong Kong

**Ethical and Regulatory Tissues for 3D Printing and Bio-printing**

Ashish Indani, TCS, India

**3D Printing – Improving Patient Outcomes**

Mr. Miles Podmore, Founder Eye 2 Eye Communications Pte Ltd, Singapore
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-Aug-18</td>
<td></td>
<td>Day 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Keynote Forum</td>
</tr>
</tbody>
</table>
|            |              | **Printed, Flexible pH Sensor Hydrogels for Biomedical Applications**  
Fariba Dehghani, The University of Sydney, Australia |
|            |              | Elastic shape memory materials for comfort fitting via 3D printing  
Wei Min Huang, Singapore |
|            |              | 3D-Printing of Bioceramics for Bone Regeneration Applications  
Rainer Gadow, University of Stuttgart, Germany |
|            |              | PCL based toughness modifiers for biophotopolymers  
Christoph Hofstetter, Vienna University of Technology, Austria |
|            |              | Selective Laser Sintering of PMMA and PMMA plus β-Tricalcium Phosphate Polymer  
Dr. Rajkumar Velu, University of Technology and Design, Singapore |
|            |              | Workshop                                   |
|            |              | Networking & Lunch Break                  |
|            |              | 3D Medicine & Pharmaceutics Printing       |
|            |              | Nadia Ali, University of Tunisia, Tunisia  |
|            |              | Closing Ceremony                          |
|            |              | Networking & Refreshment Break            |
Explore Singapore

Singapore, known as “the Lion City,” becomes a favourite destination because it is a global city and is a densely populated island with tropical flora, parks and gardens. Singapore is a global commerce, finance and transport hub. Singapore is considered as an important center for higher education and harbors, healthcare, well reputed and prestigious colleges and Universities. Singapore conferences indeed play a vital role in promoting scientific information and ideas all over the world. A splendid location, life expectancy, quality of life, personal safety and housing that is unsurpassed for its live-ability makes Singapore a city to visit and remember.

Singapore Attractions

Marina Bay Sands
Asian Civilisations Museum
Botanic Gardens
Budha Tooth Temple
Clarke Quary
Gardens by the Bay
Jurong Bird Park
Little India and Arab Street
Singapore ZOO
Join us @

Singapore City, Singapore

Contact us at:
Meetings International Pte Ltd
28 Maxwell Road, #03-05
Red Dot Traffic, Singapore (069120)
Email: bioprinting@annualmeetings.net
Website: www.meetingsint.com/conferences/3dprinting