<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00 – 09.15</td>
<td>Prof James Browne</td>
<td>President, National University of Ireland, Galway</td>
</tr>
<tr>
<td></td>
<td><em>Welcome and opening</em></td>
<td></td>
</tr>
<tr>
<td>09.15 – 09.30</td>
<td>Her Excellency, Ms Mari Miyoshi, Ambassador of Japan to Ireland</td>
<td>Embassy of Japan in Ireland</td>
</tr>
<tr>
<td></td>
<td><em>Special address</em></td>
<td></td>
</tr>
<tr>
<td>09.30 – 09.45</td>
<td>Dr Dara Dunican</td>
<td>Programme Manager, Science Foundation Ireland</td>
</tr>
<tr>
<td></td>
<td><em>SFI and international collaborations</em></td>
<td></td>
</tr>
<tr>
<td>09.45 – 10.00</td>
<td>Dr Ann Ryan</td>
<td>Head of Research, Research Office, National University of Ireland, Galway</td>
</tr>
<tr>
<td></td>
<td><em>Research at NUI Galway</em></td>
<td></td>
</tr>
<tr>
<td>10.00 – 10.15</td>
<td>Prof Nobuo Ueno</td>
<td>Director, Japan Society for the Promotion of Science, London, UK</td>
</tr>
<tr>
<td></td>
<td><em>Overview of institutional and group programmes</em></td>
<td></td>
</tr>
<tr>
<td>10.15 – 10.30</td>
<td>Ms Yumiko Kusune</td>
<td>International Programme Associate, Japan Society for the Promotion of Science, London, UK</td>
</tr>
<tr>
<td></td>
<td><em>Japan Society for the Promotion of Science fellowship programmes</em></td>
<td></td>
</tr>
<tr>
<td>10.30 – 11.00</td>
<td></td>
<td><em>Coffee Break</em></td>
</tr>
</tbody>
</table>
11.00 – 11.20  Prof Yasuhiko Tabata  
Kyoto University, Kyoto, Japan  
Biomaterials technology indispensable to realize regeneration therapy and research

11.20 – 11.40  Dr Yury Rochev  
National University of Ireland Galway, Ireland  
An implantable thermo-responsive drug delivery system

11.40 – 12.00  Prof Ed Lavelle  
Trinity College Dublin, Ireland  
Particulate vaccine adjuvants and their mode of action

12.00 – 12.15  Diana Gaspar  
National University of Ireland Galway, Galway, Ireland  
Tenogenic phenotype maintenance and differentiation using macromolecular crowding and mechanical loading

12.15 – 12.30  Isma Liza  
National University of Ireland Galway, Ireland  
Modulation of inflammation, neuro-trophins, glycosylation, sensory nerve innervation and pain in intervertebral disc degeneration using a therapeutic hyaluronic acid hydrogel

12.30 – 14.00  Lunch Break
14.00 – 14.20  Prof Hisatoshi Kobayashi
National Institutes for Materials Science, Ibaraki, Japan
_Nano-fibrous materials for tissue regeneration_

14.20 – 14.40  Prof Tofail Syed
University of Limerick, Ireland
_First principle design of materials and interfaces_

14.40 – 15.00  Dr Ted Vaughan
National University of Ireland Galway, Ireland
_A computational model of cellular mechano-sensation in three-dimensional culture environments_

15.00 – 15.15  Matthew G. Haugh
Royal College of Surgeons in Ireland, Dublin, Ireland
_A recombinant biomaterials approach to study cell-matrix interactions_

15.15 – 15.30  Asrizal A. Rahman
National University of Ireland Galway, Ireland
_Modification of living diatom, Thalassiosira weissflogii, by calcium precursor as a sacrificial template for development of artificial antigen presenting cell_

15.30 – 16.00  Coffee Break
16.00 – 16.20  Prof Yukio Nagasaki
University of Tsukuba, Ibaraki, Japan
Design of new redox polymer for high performance medical treatment and therapy

16.20 – 16.40  Dr Alan O’Riordan
Tyndall Institute, Cork, Ireland
Advanced on-chip nano-sensor devices for disease monitoring and detection

16.40 – 17.00  Dr Manus Biggs
National University of Ireland Galway, Ireland
Pizo-electric scaffolds in regenerative medicine

17.00 – 17.15  Sarah Guerin
University of Limerick, Ireland
Decoding electro-active organic materials using solid-state physics

17.15 – 17.30 Filipa Lebre
Trinity College Dublin, Ireland
Size regulates the immune responses triggered by hydroxyapatite particles

18.00 – 20.00  Wine Reception & Canapes
Thursday 23rd June 2016

09.00 – 09.20  Prof Takamaro Kikkawa
Hiroshima University, Hiroshima, Japan

A radar-based breast cancer detection system using CMOS integrated circuits

09.20 – 09.40  Dr Martin O'Halloran
National University of Ireland Galway, Galway, Ireland

Broadband dielectric spectroscopy as a platform for low cost medical device development

09.40 – 10.00  Dr Katie Ryan
University College Cork, Cork, Ireland

Inorganic materials in drug delivery and tissue engineering

10.00 – 10.15  Juhi Samal
National University of Ireland Galway, Galway, Ireland

Fibrin-based hollow reservoirs for controlled delivery of neurotrophic factors to the brain

10.15 – 10.30  Tomas Gonzalez-Fernandez
Trinity College Dublin, Dublin, Ireland

Gene activated hydrogels for the bio-fabrication of 3d printed constructs for osteochondral regeneration

10.30 – 11.00  Coffee Break
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00 – 11.20</td>
<td>Prof Akio Kishida</td>
<td>Tokyo Medical and Dental University, Tokyo, Japan</td>
<td>Biological tissues as new biomaterials</td>
</tr>
<tr>
<td>11.20 – 11.40</td>
<td>Prof Timothy O’Brien</td>
<td>National University of Ireland Galway, Galway, Ireland</td>
<td>Clinical translation of mesenchymal stem cells in regenerative medicine</td>
</tr>
<tr>
<td>11.40 – 12.00</td>
<td>Prof Dermot Brougham</td>
<td>University College Dublin, Dublin, Ireland</td>
<td>Magnetic nanoparticles and nanoparticle assemblies: Components for next-generation responsive materials for biomedical applications</td>
</tr>
<tr>
<td>12.00 – 12.15</td>
<td>Christos Tapeinos</td>
<td>National University of Ireland Galway, Galway, Ireland</td>
<td>Targeting reactive oxygen species with collagen based microstructures</td>
</tr>
<tr>
<td>12.15 – 12.30</td>
<td>Christina N. M. Ryan</td>
<td>National University of Ireland Galway, Galway, Ireland</td>
<td>Multifactorial approaches for tenogenic phenotype maintenance</td>
</tr>
<tr>
<td>12.30 – 14.00</td>
<td>Lunch Break</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14.00 – 14.20  Prof Keiji Itaka  
The University of Tokyo, Tokyo, Japan  
mRNA delivery using nano drug delivery systems for intractable diseases and regenerative medicine

14.20 – 14.40  Prof Yoshihiro Ito  
RIKEN, Saitama, Japan  
Bioinspired binding growth factors for bioactive interfaces

Royal College of Surgeons in Ireland, Dublin, Ireland  
Injectable implants to reverse disease

14.55 – 15.10  Nathalie Barroca  
Queen's University Belfast, Belfast, Northern Ireland  
Electrical polarization in PLLA for tissue engineering approaches

15.10 – 15.30  Prof Abhay Pandit  
National University of Ireland Galway, Galway, Ireland  
Medical device research in Ireland and Closing Remarks

Organisers / Sponsors / Hosts:
Science Foundation Ireland (SFI) – International Strategic Cooperation Award (ISCA) Programme with Japan; http://irelandjapanresearch.com
Regenerative, Modular & Developmental Engineering Laboratory (REMODEL); www.remodel.ie
Science Foundation Ireland (SFI) Centre for Research in Medical Devices (CÚRAM); www.curamdevices.ie
National University of Ireland Galway; www.nuigalway.ie

Contact:
Dimitrios Zeugolis at dimitrios.zeugolis@nuigalway.ie
Joe Moore at JOSEPH.MOORE@nuigalway.ie