2022 International Forum for Tissue Engineering and Regenerative Medicine

Thursday - Friday, December 8-9, 2022

VENUE:
Apollo Rooms
Mantra Legend Hotel, Surfers Paradise, Gold Coast

ORGANISERS:
Queensland University of Technology (QUT)
Griffith University (GU)

CHAIRMEN:
Distinguished Prof. Yin Xiao, Griffith University, Australia
Prof. Travis Klein, Queensland University of Technology
Prof. Zhiyong Li, Queensland University of Technology
## Program
**Thursday, Dec 8, 2022**

*All times are Australian Eastern Standard Time (AEST, UTC +10)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00 am–10:00 am</td>
<td>Registration</td>
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<tr>
<td>10:00 am–10:30 am</td>
<td>Welcome &amp; Official Opening</td>
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<tr>
<td>10:30 am–10:45 am</td>
<td>Distinguished Professor Yin Xiao, Co-Director, ACCTERM, Griffith University</td>
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<tr>
<td>11:00 am–11:15 am</td>
<td>Group Photo</td>
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<tr>
<td>11:00 am–12:05 pm</td>
<td>Research Innovation and Clinical Application</td>
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<tr>
<td>11:00 am–11:20 am</td>
<td>Distinguished Professor Jonathan Golledge, Senior vascular surgeon, Townsville University Hospital, James Cook University</td>
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<tr>
<td>11:20 am–11:35 am</td>
<td>Professor Minghao Zheng, University of Western Australia</td>
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<tr>
<td>11:35 am–11:50 am</td>
<td>Professor Nam-Trung Nguyen, Griffith University</td>
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<tr>
<td>11:50 am–12:05 pm</td>
<td>Associate Professor Yulin Li, East China University of Science and Technology</td>
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<tr>
<td>11:50 pm–12:05 pm</td>
<td>Professor Yi-Chin Toh, ACCTERM, Centre for Biomedical Technologies, Queensland University of Technology</td>
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<tr>
<td>12:20 pm–12:35 pm</td>
<td>Associate Professor Long Bai, Shanghai University</td>
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<tr>
<td>12:35 pm–01:15 pm</td>
<td>Panel Discussion</td>
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<tr>
<td>01:15 pm–01:45 pm</td>
<td>Lunch Break</td>
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<tr>
<td>01:45 pm–03:45 pm</td>
<td>Research Innovation and Translation of Technologies and Therapies</td>
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<tr>
<td>01:45 pm–02:00 pm</td>
<td>Professor Liming Bian, School of Biomedical Sciences and Engineering, South China University of Technology</td>
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<tr>
<td>02:00 pm–02:15 pm</td>
<td>Professor Shengmin Zhang, Chair Professor, Department of Biomedical Engineering, Huazhong University of Science and Technology</td>
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<tr>
<td>02:15 pm–02:30 pm</td>
<td>Dr Nathalie Bock, Deputy Director, Max Planck Queensland Centre for the Materials Science of Extracellular Matrices (MPQCM), Queensland University of Technology</td>
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<td>09:00 am</td>
<td>Registration</td>
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<tr>
<td>09:50 am</td>
<td>3-Course Gala Dinner</td>
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<tr>
<td>10:00 am – 12:00 pm</td>
<td>Collaborative Research for Clinical Translation - Dental and Orthopaedic Application Partner: Sun Yat-sen University Chair – Dr Yinhong Zhou, Deputy Director, ACCTERM, the University of Queensland</td>
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<tr>
<td>10:00 am – 10:15 am</td>
<td>Dr Nazrul Islam, Senior Lecturer, Pharmacy Discipline, Faculty of Health, School of Clinical Sciences, Queensland University of Technology Biodegradable polymer nanoparticles as carriers for pulmonary drug delivery</td>
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<tr>
<td>10:15 am – 10:30 am</td>
<td>Professor Hongpu Lu, Group Leader, Organoid Biomaterials and Devices Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences High Throughput Mammary Organoid Culture in Alginate Hydrogel</td>
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<td>10:30 am – 10:45 am</td>
<td>Dr Andrew Prowse, Facility Manager, StemCore Enabling clinical translation. Case studies in collaborating with a pluripotent stem cell service facility</td>
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<td>10:45 am – 11:00 am</td>
<td>Associate Professor Ping Hu, Associate Professor, Mesoporous and Low-Dimensional Nanomaterials Group, State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences Nanocatalytic Immunotherapy</td>
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<tr>
<td>11:00 am – 11:15 am</td>
<td>Professor Chamindie Punyantheera, Head, Saliva and Liquid Biopsy Translational Laboratory, Griffith University Saliva technology – delivering democratising healthcare delivery</td>
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<tr>
<td>Time</td>
<td>Session</td>
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| 11:15 am – 12:00 pm | Panel Discussion  
All speakers above                                                   |
| 12:00 pm – 12:30 pm | Lunch/Morning Tea                                                                           |
| 12:30 pm – 12:45 pm | Collaborative Research for Clinical Translation - Biomaterial and Biofabrication  
Partner: Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Chair:  
Professor Ross Crawford, Chair in Orthopaedic Research, School of Mechanical, Medical and Process Engineering, Queensland University of Technology  
Professor Hongxu Lu, Group Leader, Organoid Biomaterials and Devices Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Professor Hangrong Chen, Group Leader, Porous and Functional Nanomaterials Group, State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Construction of Intelligent Responsive Nanoplatforms for Tumor Theranostics  
Clinical Translational of Tissue Engineering for the reconstruction of large bone defects  
Graphene-Based Films on Medical Titanium and Their Biological Effects  
Design and Performance of Biomechanical Structures  
MOF-Functionalized Bioceramic Scaffolds for Enhanced Osteochondral Regeneration  
Platform technologies for multifunctional nanocarrier systems  
All speakers above  
Dr. Jun Zhang, ARC DECRA Fellow, Queensland Micro and Nanotechnology Centre, Griffith University |
| 02:45 pm – 03:00 pm | Afternoon Tea  
Dr. Jiajun Qiu, Associate Professor, Biomaterials Surface & Interface Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Professor Yufang Zhu, Professor, Biomaterials and Tissue Engineering Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Professor ChunXia Zhao, The University of Adelaide  
Professor Stefanie Feil, Deputy Head of School (Research), School of Engineering and Built Environment, Griffith University  
Professor Ross Crawford, Chair in Orthopaedic Research, School of Mechanical, Medical and Process Engineering, Queensland University of Technology  
Professor Hongxu Lu, Group Leader, Organoid Biomaterials and Devices Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Professor Hangrong Chen, Group Leader, Porous and Functional Nanomaterials Group, State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Construction of Intelligent Responsive Nanoplatforms for Tumor Theranostics  
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MOF-Functionalized Bioceramic Scaffolds for Enhanced Osteochondral Regeneration  
Platform technologies for multifunctional nanocarrier systems |
| 03:00 pm – 03:15 pm | Collaborative Research for Clinical Translation - Dental and Orthopaedic Application  
Partner: Wuhan University and Nanjing University  
Chair – Distinguished Professor Lyn Griffiths, Centre Director, Centre for Genomics & Personalised Health, Queensland University of Technology  
Professor Alastair J Sloan, School head, Melbourne Dental School, University of Melbourne  
3D Tissue Culture Models and Smart Materials for Dental Tissue Infection and Repair  
Professor Yufang Zhu, Professor, Biomaterials and Tissue Engineering Group, Shanghai Institute of Ceramics, Chinese Academy of Sciences  
Functional materials for periodontal regeneration  
Professor Yanhong Ni, Director, Central Laboratory of Nanjing Stomatological Hospital, Medical School of Nanjing University  
Stroma fibroblasts control the Invasion of Oral Squamous Cell Carcinoma  
Professor Robert Love ONZM, Dean of Dentistry, Griffith University  
Development of glass fibre reinforced methacrylate denture base using 3D printing by fused filament fabrication  
Dr Qilong Wan, Maxillofacial Surgeon, School & Hospital of Stomatology, Wuhan University  
The effects of Porphyromonas gingivalis on bisphosphonate-induced osteonecrosis of the jaw and femur  
Ms Dan Qiao, Nanjing Stomatological Hospital, Medical School of Nanjing University  
Bio-inspired Glycosylated Nano-hydroxyapatites Enhance Endogenous Bone Regeneration by Modulating Macrophage M2 Polarization  
Panel Discussion  
All Speakers above  
Dr. Qin Zhao, Key Laboratory of Oral Biomedicine (Wuhan University), Ministry of Education  
Dr. Wei Ji, Department of Implantology, School & Hospital of Stomatology, Wuhan University  
Dr. Wei Fang, Maxillofacial Surgeon, School & Hospital of Stomatology, Wuhan University |
| 03:15 pm – 03:30 pm | Closing Remarks                                                                                                             |
Venue Guidance

Mantra Legends Hotel – Surfers Paradise
Cnr Surfers Paradise Blvd & Laycock St
Surfers Paradise, QLD 4217

Car Parking
Car parking is subject to availability due to the limited number of spaces. We would like to encourage you to get carpool to the Hotel where it is possible.

When arriving at hotel, firstly register with Reception and leave luggage at Concierge prior to parking your car.

Please note, the hotel does not offer valet parking.

If the hotel car parking is full, the guest can use street parking either Bruce Bishop car park as below.
Bruce Bishop Car Park Beach Road – Surfers Paradise

**Payment Methods**

Pay stations are located on the ground level near the car park office, on the upper level near the Ferry Avenue entry, and outside the lifts at the front of the Transit Centre. Please make payment before returning to your vehicle.

**Height Restrictions**

Maximum clearance 2.08 meters.

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<th>Description</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Short-term</td>
<td>$3</td>
</tr>
<tr>
<td>Daily rate (per calendar day)</td>
<td>$15</td>
</tr>
<tr>
<td>Three-day pass*</td>
<td>$30</td>
</tr>
<tr>
<td>Weekly ticket*</td>
<td>$47</td>
</tr>
<tr>
<td>Monthly pass*</td>
<td>$120</td>
</tr>
<tr>
<td>Loss of ticket</td>
<td>$15 per calendar day</td>
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</tbody>
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To buy a three-day, weekly or monthly pass:

- enter the car park by taking a ticket from the entry terminal
- Purchase your long-stay ticket (except Early Bird) from the pay stations immediately after parking your vehicle. Please press the assistance button to purchase these passes
Zoom Webinar (On Demand)

Date:  Thursday – Friday, December 8 - 9, 2022
Time:  09:50 AM – 06:00 PM Brisbane AEST, UTC +10
       07:50 AM – 04:00 PM Beijing CST, UTC +8

Please click the link below to join the webinar:
https://qut.zoom.us/j/81169515041?pwd=czNpSSt5RIJMN6xeExINWYzNIZtUT09
   Password: accterm

Or iPhone one-tap:
   Australia: +61871501149,,81169515041# or +61280156011,,81169515041#
   Or Telephone:
      Dial: 9666 (from a QUT desk or Meeting Room phone) or +61 2 8015 2088
   Australia: +61 8 7150 1149 or +61 2 8015 6011 or +61 3 7018 2005 or +61 7 3185 3730 or +61 8 6119 3900
   Meeting ID: 811 6951 5041
   Password: 0785991
   International numbers available: https://qut.zoom.us/u/kmo3vbn9e

Or an H.323/SIP room system:
   Dial: 81169515041@zoom.aarnet.edu.au
or 81169515041@zmau.us
or 103.122.166.55
   Meeting ID: 81169515041
   H323/SIP Password: 0785991
Translation of Research and Innovation for Better Life

Full Program | Speakers’ Bios | Abstracts

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