## 2019 Herston Biofabrication Institute Conference – Speakers

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Dr Mark Allenby</td>
<td>QUT Advance Queensland Fellow - Vascular Program</td>
<td>Biofabrication for personalised vascular surgery prognosis, training, and treatment</td>
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<tr>
<td>Dr Catherine Ball</td>
<td>Scientist, Innovator, Champion of Diversity, MC</td>
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<tr>
<td>Dr Arixin Bo</td>
<td>QUT ECR</td>
<td>Mechanical property investigation of PCL based scaffolds and composite</td>
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<tr>
<td>Dr Jason Brown</td>
<td>MNHHS - Burns Clinical Program Lead</td>
<td>Biofabrication in Burns Treatments</td>
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<tr>
<td>Adj A/Prof Scott Crowe</td>
<td>MNHHS/QUT - Cancer Care Clinical Program Lead</td>
<td>Improving radiation oncology with 3D printing and biofabrication</td>
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<tr>
<td>A/Prof Leila Cuttle</td>
<td>QUT Lead Researcher - Burns Clinical Program</td>
<td>Treating burn wounds - past, present and future</td>
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<tr>
<td>Ms Mathilde Desselle</td>
<td>QUT HBI Project Manager</td>
<td>Augmented and virtual reality serious games – The Hospital of the Future</td>
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<tr>
<td>Mr Shaun Drummond</td>
<td>CEO, Metro North Hospital &amp; Health Service</td>
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<tr>
<td>Mr David Forrestal</td>
<td>QUT ECR</td>
<td>Bioreactors for cell culture of large patient-specific scaffolds</td>
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<td>Mr Nicholas Green</td>
<td>MNHHS – Orthopaedic Clinical Program</td>
<td>3D Modelling Workshop</td>
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<tr>
<td>Prof YuanTong Gu</td>
<td>QUT Lead Researcher - Vascular Clinical Program</td>
<td>Computer-aided optimal design, analysis and assessment of customized stents and scaffolds</td>
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<td>Prof Damien Harkin</td>
<td>QUT Lead Researcher - Tissue Regeneration</td>
<td>Reconstruction of Skin and Ocular Tissues</td>
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<tr>
<td>Mr Icaro Ibanez-Arricivita</td>
<td>QUT Fashion &amp; Design Lecturer</td>
<td>Hospital of the Future Fashion Collection</td>
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<tr>
<td>Dr Jason Jenkins</td>
<td>MNHHS - Vascular Clinical Program Lead</td>
<td>Driving Clinical Innovation through Partnerships</td>
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<td>Dr Elena Juan Pardo</td>
<td>QUT Lead Researcher - Vascular Clinical Program</td>
<td>Advanced Biofabrication Strategies for Cardiovascular Applications</td>
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<tr>
<td>A/Prof Travis Klein</td>
<td>QUT Lead Researcher - Orthopaedics Program</td>
<td>Biofabrication in cartilage regeneration</td>
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<tr>
<td>Mr Matthew Lanaro</td>
<td>QUT PhD student</td>
<td>Advanced Additive Manufacturing Methods for Biomaterials and Medical Devices</td>
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<tr>
<td>Prof Zhiyong Li</td>
<td>QUT Lead Researcher - Vascular Clinical Program</td>
<td>QUT Cardiovascular Engineering Laboratory research programs</td>
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<td>Dr Asha Mathew</td>
<td>QUT Advance Queensland Fellow - Orthopaedics</td>
<td>Biofabrication of bactericidal orthopaedic implants</td>
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<td>Prof Mark Midwinter</td>
<td>UQ, Jamieson Trauma Institute</td>
<td>AR for Telepresence</td>
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<tr>
<td>Miss Naomi Paxton</td>
<td>QUT PhD student</td>
<td>Biomaterials for Patient-Specific Surgical Implants</td>
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<tr>
<td>Dr Sean Powell</td>
<td>QUT Advance Queensland Fellow - Burns Program</td>
<td>3D healthcare technologies for better burns and trauma treatment</td>
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<tr>
<td>Ms Maureen Ross</td>
<td>QUT PhD student</td>
<td>3D Scanning &amp; Modelling for Microtia Treatments</td>
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<tr>
<td>Dr Nicholas Rukin</td>
<td>MNHHS - Urology Clinical Program Lead</td>
<td>Biofabrication and urological surgery</td>
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<tr>
<td>Dr Kevin Tetsworth</td>
<td>MNHHS - Orthopaedics Clinical Program Lead</td>
<td>Biofabrication in Orthopaedics</td>
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<tr>
<td>A/Prof Makrina Totsika</td>
<td>QUT Lead Researcher – Infection</td>
<td>Infections and antimicrobial resistance: Biofabrication implications in a post-antibiotic era</td>
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<tr>
<td>Prof Mia Woodruff</td>
<td>QUT Acting Director HBI</td>
<td>Introduction to the Herston Biofabrication Institute</td>
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THE HERSTON BIOFABRICATION INSTITUTE

Metro North Hospital and Health Service

Putting people first
# 2019 Herston Biofabrication Institute Conference – Program

**INTRODUCTIONS | Conference MC: Dr Catherine Ball**  
**Welcome to Country**  
**Official Welcome | Hon Cameron Dick MP, Minister for State Development, Manufacturing, Infrastructure & Planning**  
**Welcome from QUT | Prof Arun Sharma, Deputy Vice-Chancellor and Vice President (Research and Innovation)**  
**Welcome from MNHHS | Mr Shaun Drummond, CEO MNHHS**  
**Introduction of Herston Biofabrication Institute | Prof Mia Woodruff, Acting Director of HBI**  
**Introduction to Medical Device Innovation Design Challenge**  
**Keynote Speech | Mr Dale Trevor**

**8:55am – 10:30am**  
**MORNING TEA | Poster Session 1**  

**3D Modelling Workshop | Room 1**  
**VR Hospital of the Future Game | Room 2**  
**Recruitment Speed Dating Event | Foyer**

**BURNS CLINICAL PROGRAM**  
**Dr Jason Brown** | Driving Clinical Innovation through Partnerships  
**Dr Sean Powell** | 3D Healthcare Technologies for Better Burns and Trauma Treatment  
**A/Prof Leila Cuttle** | Treating Burn Wounds - Past, Present and Future  
**Prof Damien Harkin** | Reconstruction of Skin and Ocular Tissues  
**Ms Maureen Ross** | Biofabrication approaches to Facial Prosthetics and other Medical Devices

**11:00am – 12:45pm**  
**Dr Mark Midwinter, Jamieson Trauma Institute | Augmented and Virtual Reality in Clinical Practice - A Future Norm**

**ORTHOPAEDIC CLINICAL PROGRAM**  
**Dr Kevin Tetworth** | Biofabrication for Orthopaedic Surgery  
**A/Prof Travis Klein** | Biofabrication in Cartilage Regeneration  
**Dr Asha Mathew** | Biofabrication of Bactericidal Orthopaedic Implants  
**Dr David Forrestal** | Bioreactors for Cell Culture of Large Patient-Specific Scaffolds  
**Mr Mark Lanaro** | Advanced Additive Manufacturing Methods for Biomaterials and Medical Devices  
**Ms Naomi Paxton** | Biomaterials for Patient-Specific Surgical Implants

**12:45pm – 1:45pm**  
**LUNCH | Poster Session 2**  

**VR Hospital of the Future Game | Room 2**  
**Recruitment Speed Dating Event | Foyer**

**VASCULAR CLINICAL PROGRAM**  
**Dr Jason Jenkins** | Biofabrication for Vascular and Endovascular Surgery  
**Prof Yuan Tong Gu** | Computer-aided Optimal Design, Analysis and Assessment of Customized Stents and Scaffolds  
**Dr Elena Juan Pardo** | Advanced Biofabrication Strategies for Cardiovascular Applications  
**Prof Zhili Yang Li** | QUT Cardiovascular Engineering Laboratory Research Programs  
**Dr Mark Allenby** | Biofabrication for Personalised Vascular Surgery prognosis, Training and Treatment  
**Dr Ar Xin Bo** | Mechanical Property Investigation of PCL Based Scaffolds and composite

**Medical Device Innovation Design Challenge | Award sponsored by Cook Medical & Konica Minolta**  

**3:30pm – 5:00pm**  
**A/Prof Malvina Totsika** | Infections and Antimicrobial Resistance: Implications for Biofabrication in the post-antibiotic era  
**Dr Nick Rukin** | Biofabrication and Urological Surgery  
**Adj A/Prof Scott Crowe** | Improving Radiation Oncology with 3D Printing and Biofabrication

**5:00pm – 6:00pm**  
**NETWORKING DRINKS sponsored by Microsoft**  

**Hospital of the Future Fashion Collection**  
**Award Presentation | Mr Shaun Drummond & Sponsors**  
**Conference Close & Vote of Thanks**

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**THE HERSTON BIOFABRICATION INSTITUTE**

Metro North Hospital and Health Service

*Putting people first*
2019 Herston Biofabrication Institute Conference – Spécial Sessions

Hospital of the Future Fashion Collection
A collection of hospital of the future-inspired clothing for staff and patients
Presented by QUT Creative Industries students (Fashion Design Studio 5 DFH501 unit), Directed by Icaro Ibanez-Arricivita

Medical Device Innovation Design Challenge
Addressing clinical challenges from HBI Clinical Programs
Presented by QUT

Industry Speed Dating Session
Industry and student networking opportunities
In partnership with the QUT Fellowship of Medical Engineers (FoMe)

The Hospital of the Future in Augmented and Virtual Reality
Microsoft Hololens and HTC Vive games demo
With Mathilde Dessel, in partnership with QUT EECS Games Design and Interactive Environments (BGIE)

Anatomical 3D Modelling Workshop
From 3D imaging data to patient-specific devices and implants
Presented by Nick Green, QUT Industrial Design Alumni, 3D Medical Modeller at RBWH