27 - 30 August 2018
Bangi - Putrajaya Hotel
Selangor, Malaysia

Spearheading the Applications of Cells, Tissues and Biomaterials for Regenerative Medicine

www.apastb2018.com

Jointly organized by:
Malaysian Association of Cell and Tissue Banking (MACTB)
Tissue Engineering and Regenerative Medicine Society of Malaysia (TESMA)
Malaysian Biomaterials Society (MBS)
GLYN O PHILLIPS LECTURE
Training Tissue Bankers in Asia Pacific Region
Speaker:
A/Prof Dr Aziz Nather
Senior Consultant Orthopaedic Surgeon and
Director, National University Hospital Tissue Bank
Department of Orthopaedic Surgery
National University Health System Singapore

ABDURRAHMAN LECTURE
Banked Bone Allografts In Orthopaedic Surgery
Speaker:
Prof Dr Ken Urabe
Senior Consultant Orthopaedic Surgeon and
Advisor, Kitasato University Bone Bank
Department of Orthopaedic Surgery
Kitasato University Medical Center Japan

HUDSON SILVA LECTURE
Amnion – History, Benefit, Function and Applications
Speaker:
Dr Nazly Hilmy
Consultant Radiation Biologist and
Advisor, BATAN Research Tissue Bank
Centre for Research and Development of Isotopes and Radiation Technology Indonesia
Novel Biomaterials for Musculoskeletal Engineering

Speaker:
Prof Gilson Khang
Director, Biomaterials & Tissue Engineering Lab.
Polymer BIN Fusion Res Center
Dept. of Polymer Nano Sci. & Tech. and Dept. of BIN Fusion Tech.
Chonbuk National University
South Korea

Tissue Donation, Learn from the Expert

Speaker:
A/Prof Dr Marti Manyalich
President of Donation and Transplant Institute and
Medical Director Hospital Clinic de Barcelona
University of Barcelona, Barcelona
Spain

Process Optimization for CAR-T Therapy for Cancer

Speaker:
Dr Dominic Wall
Chief Scientific Officer
Cell Therapies Pty Ltd & Director of Pathology
Peter MacCallum Cancer Centre, Melbourne
Australia

Silk & 3D Bioprinting/ Bioink in Tissue Engineering

Speaker:
Prof Dr Chan Hum Park
Department of Ear, Nose & Throat
Hallym University, Gangwon-do
South Korea
PLENARY PAPERS

Chitosan and it’s derivatives for wound management

Speaker:
Prof Dato' Dr Ahmad Sukari Halim
Universiti Sains Malaysia,
Kelantan, Malaysia

Biomechanics and Biomaterials Advances in Medical Application

Speaker:
Prof Dato' Ir Dr Mohammed Rafiq Dato’ Abdul Kadir
Universiti Teknologi Malaysia
Malaysia

TBC (Biomaterial...)

Speaker:
Prof Dr Justin Cooper-White
UQ-StemCARE Director
Australian Institute for Bioengineering and Nanotechnology
The University Of Queensland, Australia
### Invited Speakers

#### Symposium

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<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Is Tissue Allografts is a Medical Device – Malaysia Perspective</td>
<td>Mr Zamane Abdul Rahman</td>
<td>Medical Device Authority, Malaysia</td>
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<tr>
<td>Do We Did Enough…..For Tissue Donation?</td>
<td>Dr Omar Sulaiman</td>
<td>National Transplant Resource Centre, Ministry of Health Malaysia</td>
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<tr>
<td>Biovigilance in Tissue Banking</td>
<td>Dr Nazly Hilmy</td>
<td>BATAN Tissue Bank, Jakarta, Indonesia</td>
</tr>
<tr>
<td>Tissue Donation, Ethics and Regulation in Australia</td>
<td>Mr Gavin Van Der Meer</td>
<td>Barwon Health Bone Bank, University Hospital Geelong, Victoria, Australia</td>
</tr>
<tr>
<td>Gain Donors: Bangkok Biomaterial Center Activities</td>
<td>Dr Rapin Phimolsarnti</td>
<td>Bangkok Biomaterial Centre, Siriraj Hospital, Mahidol University, Bangkok, Thailand</td>
</tr>
<tr>
<td>The Outcome of Reconstruction Osseous Defect with Allograft in Bone Tumour</td>
<td>Prof Wan Faisham Numan Wan Ismail</td>
<td>School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia</td>
</tr>
<tr>
<td>Procurement of Bone and Soft Tissue</td>
<td>A/Prof Aziz Nather</td>
<td>NUH Tissue Bank, National University Health System, Singapore</td>
</tr>
<tr>
<td>Biologic Augmentation of Supraspinatus Tendon Healing with the use of Composite of Amnion Membrane and Mesenchymal Stem Cell</td>
<td>Dr Heri Suroto</td>
<td>School of Medicine, Airlangga University, Surabaya, Indonesia</td>
</tr>
<tr>
<td>Treatment of Comminuted Proximal Humeral Fractures using Locking plate with Strut Allograft</td>
<td>Prof Jin Young Jeong</td>
<td>St. Vincent's Hospital, The Catholic University of Korea, South Korea</td>
</tr>
<tr>
<td>Clinical Efficacy of Irradiated Amnion vs Hydrocolloid Dressing In the Management of Moist Desquamation Following Radiotherapy in Cancer Patients</td>
<td>Dr Astrid Lobo Gajiwala</td>
<td>Tata Memorial Hospital, Mumbai, India</td>
</tr>
<tr>
<td>Applications of Human Amniotic Membranes for Soft Tissue Repair in the Oral Cavity</td>
<td>Dr Tantin Retno Dwijartini</td>
<td>BATAN Tissue Bank, Jakarta, Indonesia</td>
</tr>
<tr>
<td>Varied Applications Of Chorion Membrane In Periodontal Therapy</td>
<td>Prof Shaila Kothiwale</td>
<td>Institute of Dental Sciences, KLE University, Belagavi, India</td>
</tr>
<tr>
<td>Descemet Stripping Automated Endothelial Keratoplasty (DSEAK) vs Descemet membrane endothelial keratoplasty (DMEK) – is thinner better?</td>
<td>Dr Chandramalar T Santhirathelagan</td>
<td>Sg Buloh Hospital, Malaysia</td>
</tr>
<tr>
<td>Bird’s Nest Extract in Regenerative Medicine</td>
<td>A/Prof Dr Chua Kien Hui</td>
<td>Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia</td>
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</tbody>
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## INVITED SPEAKERS

**SYMPOSIUM**

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<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Institution/Location</th>
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</thead>
<tbody>
<tr>
<td>The International Atomic Energy Agency Research on Radiation Sterilization in Tissue Banking</td>
<td>Mr Oleg Belyakov</td>
<td>International Atomic Energy Agency, Vienna, Austria</td>
</tr>
<tr>
<td>Development of Bone Graft substitutes using Extracted Human Teeth</td>
<td>Ms Cynthia D'Lima</td>
<td>Tissue Bank, Tata Memorial Hospital, Mumbai, India</td>
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<tr>
<td>Radiation Sterilisation for Tissue Allografts: What to validate</td>
<td>Dr Norimah Yusof</td>
<td>UMMC Bone Bank, University of Malaya, Malaysia</td>
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<tr>
<td>Stem Cell &amp; Cell-Free Approaches in Airway Epithelial Repair</td>
<td>A/Prof Badrul Hisham Yahaya</td>
<td>Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia</td>
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<tr>
<td>Human Skin Allografts - More Than Just Dressings?</td>
<td>Dr Marisa Herson</td>
<td>Monash University, Melbourne, Australia</td>
</tr>
<tr>
<td>Role of Skin Allograft in Treating Wound Burns</td>
<td>Dr Shah Jumaat Mohd Yussof</td>
<td>Plastic, Reconstructive &amp; Aesthetic, Universiti Teknologi MARA, Shah Alam, Malaysia</td>
</tr>
<tr>
<td>IJN experience in cardiac homograft</td>
<td>Dato' Dr Mohd Nazeri Nordin</td>
<td>National Heart Institute, Kuala Lumpur, Malaysia</td>
</tr>
<tr>
<td>Novel Imaging Strategies to Assess Human In-Vivo Cellular Distribution and Persistence</td>
<td>Dr Dominic Wall</td>
<td>Cell Therapies Pty Ltd, Melbourne, Australia</td>
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### Registration Fees

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<th>Local:</th>
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<tr>
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<td>Before * 31 May 2018</td>
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*Fee for APASTB Life Members / MACTB Members / TESMA Members / MBS Members

### Workshop Fees

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<tr>
<td>In Vitro Wound Healing Assay Workshop: Cell Proliferation and Migration Using Live Imaging System</td>
<td>350.00</td>
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<tr>
<td>Increasing Donor Pool: What Can We Offer?</td>
<td>200.00</td>
<td>75.00</td>
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<tr>
<td>Good Manufacturing Practices (GMP)</td>
<td>500.00</td>
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<tr>
<td>Amnion: Processing and Clinical Applications</td>
<td>350.00</td>
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<tr>
<td>Revolutions in Biomaterials: A Current Scenario</td>
<td>250.00</td>
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### Important Deadlines

- **Extended Abstract Deadline**
  - 15 May 2018
- **Extended Poster Deadline**
  - 21 May 2018
- **Early Bird Registration**
  - 15 June 2018

### Correspondence

Correspondence and further enquiries should be addressed to:

- **Conference Secretariat:**
  - E-mail: secretariat@apastb2018.com
  - Tel: +603 8928 0577
  - Fax: +603 8920 9344
  - Mobile: +6017 - 732 1669 (Mr. Zesdyzar)
    +6019 - 377 4891 (Ms. Izza)
    +6019 - 348 1577 (Mr. Hazani)

For information and online registration, please visit:


### Scope

The topics of conference include, but not limited to:

- Amniotic Membrane
- Antimicrobial Biomaterials
- Biocompatibility of Biomaterials
- Biodegradable Biomaterials
- Biomaterials & Bioprocessing
- Bioreactor & Manufacturing System for Cell Production
- Cardiovascular Tissues
- Clinical Applications
- Cornea
- Current Regulations in Cell-Based Therapy
- Dental Biomaterials
- Fabrication of Biomaterials
- Gene Therapy & Reprogramming
- Musculoskeletal Tissues
- Natural Products in Regenerative Medicine
- Properties of Biomaterials
- Regulation & Ethics
- Stem Cells, iPSC & Cancer Stem Cells
- Skin/Dermis
- Tissue Donation
- Traceability & Biovigilance
- Tissue Processing & Sterilisation
- Tissue & Organ Engineering
- 3D Printing of Biomaterials