

2018 APASTB

17th International Conference of Asia Pacific
Association of Surgical Tissue Banks (APASTB)

in conjunction with

8th Malaysian Association of Cell
and Tissue Banking (MACTB) Annual Meeting

7th Malaysian Tissue Engineering and
Regenerative Medicine Scientific Meeting
(MTERMS)

3rd Regional Biomaterial
Scientific Meeting (RBSM)



Final Announcement



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)**



SPECIAL LECTURES

GLYN O PHILLIPS LECTURE

Training Tissue Bankers in Asia Pacific Region

Speaker:

Assoc. 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

History, Benefit, Function and Application of Amniotic Membrane

Speaker:

Dr Nazly Hilmy

*Consultant Radiation Biologist and
Advisor, BATAN Research Tissue Bank
Centre for Research and Development of Isotopes
and Radiation Technology Indonesia*



PLENARY PAPERS

Recent Advances of the Commercialization for Tissue Engineered and Regenerative Products in Korea and Global; Update 2018

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



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



PLENARY PAPERS

Tissue Donation, Learn from the Expert

Speaker:

Assoc. 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*



Combating Mechano-driven Stem Cell Fate with Advanced Biomaterials to Enhance Tissue Repair & Functional Recovery

Speaker:

Prof Dr Justin Cooper-White

*UQ-StemCARE Director
Australian Institute for Bioengineering and Nanotechnology
The University Of Queensland, Australia*



INVITED SPEAKERS

SYMPOSIUM

Medical Device Registration Requirements under the Act 737

Ms Mariammah Krishnasamy

Medical Device Authority, Malaysia

Do We Did Enough.....For Tissue Donation?

Dr Diana Mohd Shah

National Transplant Resource Centre, Ministry of Health Malaysia

Ethical Challenges in Global Tissue Donation and Transplantation

Human Skin Allografts - More Than Just Dressings?

Dr Marisa Herson

Monash University, Melbourne, Australia

Biovigilance in Tissue Banking

Dr Nazly Hilmy

BATAN Tissue Bank, Jakarta, Indonesia

Tissue Donation, Ethics and Regulation in Australia

Mr Gavin Van Der Meer

Barwon Health Bone Bank, University Hospital Geelong, Victoria, Australia

Regeneration of Central Nervous System (CNS) by Tissue Engineering Technique

Prof Dr Gilson Khang

Chonbuk National University South Korea

Tissue Engineering Research in Managing Cartilage and Bone Defects: Scaffolds, Growth Factors and Cells

Prof Dr Tunku Kamarul Zaman Tunku Zainol Abidin

Tissue Engineering Group (TEG), National Orthopaedic Center of Excellence for Research & Learning, Department of Orthopaedic Surgery, Faculty of Medicine, University Of Malaya

The Use of Native Matrix in Engineering Human Myocardium

Generation of Cardiac Lineages from Human Induced Pluripotent Stem Cells

Dr Tan Jun Jie

Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia, Malaysia

Biomaterials Application in Orthopaedic

Prof Dr Ahmad Hafiz Zulkifly

Kulliyah of Medicine, International Islamic University Malaysia, Hospital Campus, Kuantan Pahang, Malaysia

Challenges in Nanobiomaterial Toxicology Assessment

Assoc Prof Dr Azman Seeni

Malaysian Institute of Pharmaceuticals and Nutraceuticals, Ministry of Science, Technology and Innovation, Malaysia

The Outcome of Reconstruction Osseous Defect with Allograft in Bone Tumour

Prof Wan Faisham Numan Wan Ismail

School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia

Procurement of Bone and Soft Tissue

Assoc Prof Aziz Nather

NUH Tissue Bank, National University Health System, Singapore

Structural Allograft for Malignant Bone and Soft Tissue Tumours

Prof Yong-Koo Kang

St. Vincent's Hospital, The Catholic University of Korea, South Korea

Biologic Augmentation of Supraspinatus Tendon Healing with the Use of Composite of Amnion Membrane and Mesenchymal Stem Cell

Dr Heri Suroto

School of Medicine, Airlangga University, Surabaya, Indonesia

INVITED SPEAKERS

SYMPOSIUM

Treatment of Comminuted Proximal Humeral Fractures using Locking Plate with Strut Allograft

Prof Dr Jin-Young Jeong

St. Vincent's Hospital, The Catholic University of Korea, South Korea

Fleshing out the Regulatory Networks Controlling Human Pancreas Development

Dr Ray Dunn

Stem Cells Society of Singapore, Singapore Bioimaging Consortium, Singapore

Adipose-derived Mesenchymal Stem Cells: Potential for Metabolic Reprogramming and Commercialization

Dr Shigeki Sugii

Stem Cells Society of Singapore, Singapore Bioimaging Consortium, Singapore

MSC Exosome: Transforming MSC Therapy Into A Cell-Free Therapy

Dr Sai Kiang Lim

Institute of Medical Biology, Singapore

Enabling Allogenic Cell Therapy Development And Manufacturing For Early Stage Clinical Trials

Dr John Dangerfield

Stem Cells Society of Singapore, AustriaNova Singapore, Singapore

Instructive Surfaces and Scaffolds for Tissue Engineering Using Radiation Technology

The International Atomic Energy Agency Research on Radiation Sterilization in Tissue Banking

Mr Oleg Belyakov

International Atomic Energy Agency, Vienna, Austria

Clinical Efficacy of Irradiated Amnion vs Hydrocolloid Dressing in the Management of Moist Desquamation Following Radiotherapy in Cancer Patients

Dr Astrid Lobo Gajiwala

Tata Memorial Hospital, Mumbai, India

The Application of Human Amniotic Membranes for Soft Tissue Repair in Oral Cavity

Dr Tantin Retno Dwijartini

BATAN Tissue Bank, Jakarta, Indonesia

Frozen hAM for a Wide Range of Medical Indications

Does the Use of Pre-Cut DMEK/LaMEK from the Tissue Bank Reduce the Re- Transplantation Rate?

AmnionClip+, an Easy to Use Eye Patch

To Raise People's Awareness – A Film about Tissue Donation (VIDEO)

Mr Martin Borgel

Deutsche Gesellschaft für Gewebetransplantation (DGFG)

Varied Applications of Chorion Membrane In Periodontal Therapy

Prof Shaila Kothiwale

Institute of Dental Sciences, KLE University, Belagavi, India

Stem Cell & Cell-Free Approaches In Airway Epithelial Repair

Assoc. Prof. Badrul Hisham Yahaya

Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia

Bird's Nest Extract In Regenerative Medicine

Assoc. Prof. Dr Chua Kien Hui

Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia

Mg and Sr Containing Dicalcium Phosphate Based Cements

Prof Dr Rifaqat Hussain

Department of Physics, COMSATS Institute of Information Technology, Islamabad, Pakistan

INVITED SPEAKERS

SYMPOSIUM

Antibacterial Evaluation of Newly Develop Resin Modified Glass Ionomer Cements with Incorporation of Coumarin Derivatives

Assoc. Prof. Dr. Dasmawati Mohamad

School of Dental Sciences, Health Campus, Kubang Kerian, Kelantan, Malaysia

The Art Of Successful Corneal Donation DSAEK versus DMEK – Is Thinner Better?

Dr Chandramalar T Santhirathelagan

Sg Buloh Hospital, Malaysia

Global Challenges in Cornea Banking

Mr Patrick Stephen Emery

SightLife USA

ExosomalmiRNA associated with the interaction of Adipose-derived Mesenchymal Stem Cells and Breast Cancer Cell lines

Prof Alan Ong Han Kiat

Faculty of Medicine and Health Sciences, Universiti Tunku Abdul Rahman, Malaysia

Expansion of CD34 Hematopoietic Stem Cells: Progress and Challenges

Dr Naresh Waran Gnanasegaran

*Institute of Molecular and Cell Biology (IMCB), A*STAR, Singapore*

Interleukin-17A Regulates Osteogenic Differentiation, OPG/RANKL Ratio And MAP Kinase Signaling Pathway In Stem Cells From Human Exfoliated Deciduous Teeth

Assoc. Prof. Nurul Asma Abdullah

Pusat Pengajian Sains Kesihatan USM Kampus Kesihatan Kubang Kerian Kelantan, Malaysia

3D Printing in Craniofacial Clinical Practice & Research

Prof Dr Zainul Ahmad Rajion

King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia

Manufacturing of Biomaterials

YBhg. Professor Ir Dr Mohd Khairol Anuar Mohd Ariffin

Faculty of Engineering, Universiti Putra Malaysia, Malaysia

Quality Management & traceability in Tissue Banking

Prof Suzina Sheikh Ab Hamid

USM Tissue Bank School of Medical Science, University Sains Malaysia, Malaysia

Development of Bone Graft Substitutes using Extracted Human Teeth

Ms Cynthia D'Lima

Tissue Bank, Tata Memorial Hospital, Mumbai, India

Radiation Sterilisationfor Tissue Allografts: What to Validate

Dr Norimah Yusof

UMMC Bone Bank, University of Malaya, Malaysia

Encapsulated Mesenchymal Stem Cells (MSC-Cap), As A Novel Anti-Cancer Agent Targeting Breast Cancer Stem Cells: Development Of 3D Primed Therapeutic MSCs

Associate Professor Dr Sudha Warriar

School of Regenerative Medicine, Manipal University, Bangalore, India

INVITED SPEAKERS

SYMPOSIUM

Role of Skin Allograft in Treating Wound Burn

Dr Shah Jumaat Mohd Yussof

Plastic, Reconstructive & Aesthetic, Universiti Teknologi MARA, Shah Alam, Malaysia

IJN experience in cardiac homograft

Dato' Dr Mohd Nazeri Nordin

National Heart Institute, Kuala Lumpur, Malaysia

Novel Imaging Strategies to Assess Human In-Vivo Cellular Distribution and Persistence

Dr Dominic Wall

Cell Therapies Pty Ltd, Melbourne, Australi

REGISTRATION FEES

	Before * 15 June 2018	After 16 June 2018		Before * 15 June 2018	After 16 June 2018
Local:	RM	RM	International:	USD	USD
Industry	1,000	1,100	Industry	500	600
Professional / Academic	800	900	Professional / Academic	400	500
Student/Paramedic	500	550	Student/Paramedic	300	350

*Fee for APASTB Life Members / MACTB Members / TESMA Members / MBS Members

WORKSHOP FEES

Workshop	Local (RM)	International (USD)
<i>In Vitro</i> Wound Healing Assay Workshop: Cell Proliferation and Migration Using Live Imaging System	350.00	150.00
Increasing Donor Pool: What Can We Offer?	200.00	75.00
Good Manufacturing Practices (GMP)	500.00	150.00
Amnion: Processing and Clinical Applications	350.00	150.00
Revolutions in Biomaterials: A Current Scenario	250.00	75.00

CORRESPONDENCE

Correspondence and further enquiries should be addressed to:

Conference Secretariat:

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For information and online registration, please visit:

<http://www.apastb2018.com>

Conference:

<https://submit.confbay.com/conf/apastb2018>

Workshop:

<https://submit.confbay.com/conf/apastb2018ws>

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