

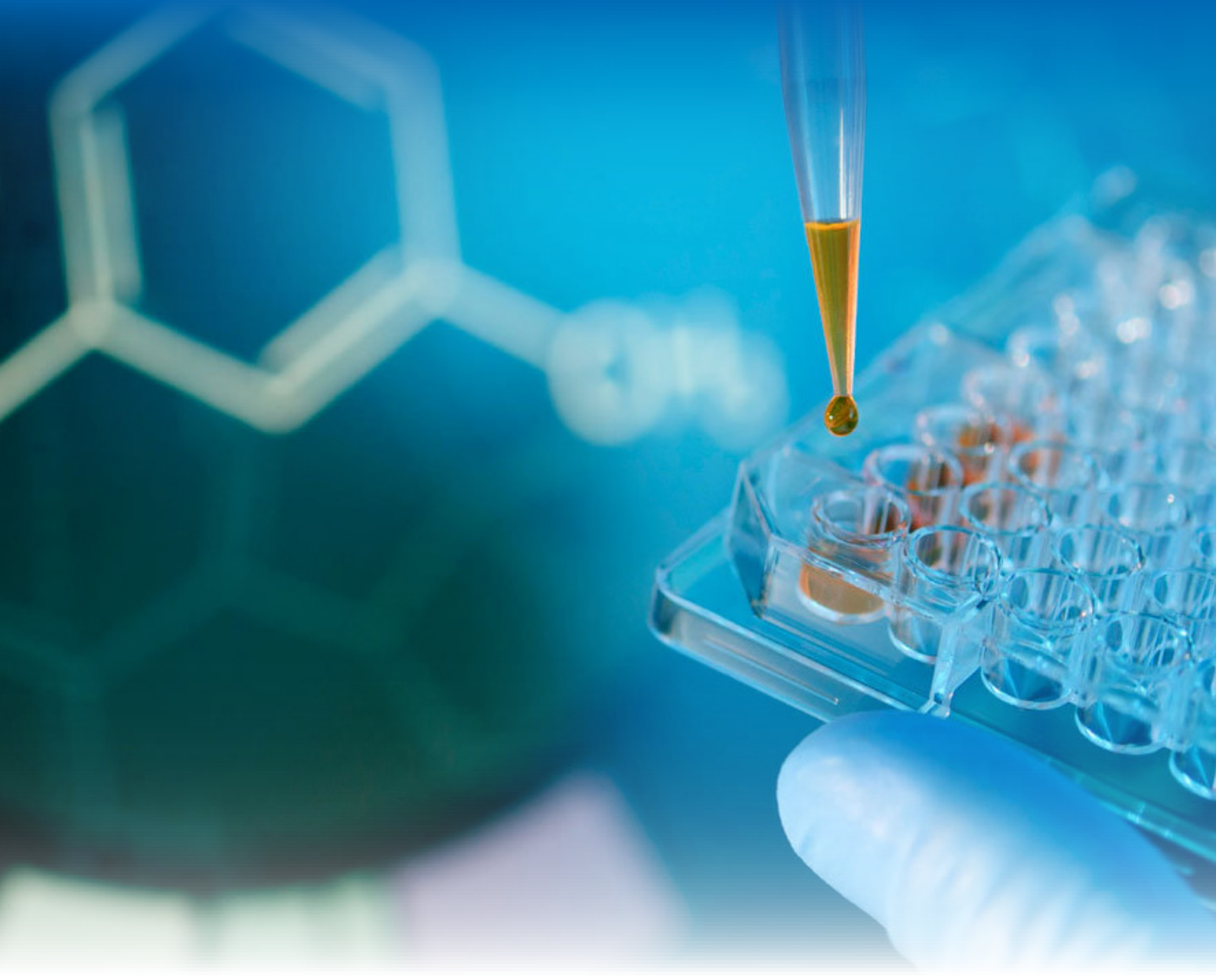
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Scientific Program

International Conference on

PHARMACEUTICAL AND BIOMEDICAL ENGINEERING

October 16-17, 2017 Osaka, Japan



Hosting Organization: Conference Series

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Day 1 October 16, 2017

08:30-09:30 Registrations

Ruby

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09:30-09:55

Opening Ceremony

Keynote Forum

09:55-10:00 Introduction

Title: Visible light activated silver oxide antimicrobial coatings with potential orthopaedic and medical implant applications

10:00-10:40

Abraham Atta Ogwu, University of the West of Scotland, UK

Title: Bacteriostatic behavior of silicon nitride, polyetheretherketone, and titanium biomaterials

10:40-11:20

Bryan McEntire, University of Utah, USA

Group Photo

Refreshments and Networking Break 11:20-11:40 @ Foyer

Sessions:

Pharmaceutical Formulations and Process Engineering | Medical and Nano Biotechnology | Pharmaceutical Analysis and Bio Analytics | Bioinformatics and Computational Biology | Biomedical Signal Processing | Biomedical Engineering and Cancer

Session Introduction

Session Chair: Yongxiang Zhao, Guangxi Medical University, China

11:40-12:10 **Title: Statistics in action: A case study for a Pharmaceutical Active Ingredient (API) manufacturing process in the USA**

Dan Liu, Patheon Inc., USA

12:10-12:40 **Title: A new theranostic system based on Endoglin aptamer conjugated fluorescent silica nanoparticles**

Yongxiang Zhao, Guangxi Medical University, China

Lunch Break 12:40-13:40 @ 3F Regency DE

13:40-14:10 **Title: Reverse-expression of aging-related biomarkers by transfection of regulatory molecules via circulating system**

Eunjo Kim, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Republic of Korea

14:10-14:40 **Title: Effect of coffee diterpenes against *Leishmania amazonensis***

Claudia M Rezende, Federal University of Rio de Janeiro, Brazil

14:40-15:10 **Title: Comparative analysis of QbD platforms**

Sangmun Shin, Dong-A University, Republic of Korea

Refreshments and Networking Break 15:10-15:30 @ Foyer

15:30-16:00 **Title: The effect of *Toxoplasma gondii* on DNA sequence alteration among breast cancer patients**

Nazar Sh Mohammed, Medical Technical University, Iraq

16:00-16:30 **Title: Ultra Low Power Biosensors: VLSI trends and future scope**

Vipan Kakkar, Shri Mata Vaishno Devi University, India

B2B Meetings and Panel Discussions

Day 2 October 17, 2017

Ruby

Sessions:

Clinical and Biomedical Engineering | Medical Devices and Medical Imaging

Session Introduction

Session Chair: Andre van Zyl, University of Pretoria, South Africa

10:00-10:30 **Title: A Comparative analysis of the engineering of 5 commercially available titanium dental implant surfaces using micro-focus computed tomography**

Andre van Zyl, University of Pretoria, South Africa

10:30-11:00 **Title: Nanotheranostic lipoprotein-inspired zinc oxide-bound Paclitaxel for enhanced cancer photochemotherapy**

Yaw Opoku-Damoah, University of Chinese Academy of Sciences, China

Networking Break 11:00-11:20 @ Foyer

11:20-11:50 **Title: Dacarbazine nanoformulation for the effective treatment of melanoma**

Abdul Hafeez, Glocal University, India

11:50-12:20 **Title: Distinction of a holding and a pushing isometric muscle action-results of an experimental study**

Laura V Schaefer, University of Potsdam, Germany

Poster Presentations @ 12:00-13:00

Poster Judge: **Bryan McEntire**, University of Utah, USA

PBE001 **Title: Traction force screening of physical changes in pathology enabled by a higher-throughput multi-well compliant PDMS Device**

Haruka Yoshie, McGill University, Canada

PBE002 **Title: Application of hepatocyte nuclear factor 4 γ for establishment of differentiated hepatocytes**

Shota Sasaki, Gunma University, Japan

PBE003 **Title: Soft implantable microchip for controlled drug delivery**

Han Bi Ji, Seoul National University, Republic of Korea

PBE004 **Title: Mucoadhesive PEG/PLGA nanoparticles for topical delivery of Dexamethasone to the eye**

Ji Min Kwak, Seoul National University, Republic of Korea

PBE005 **Title: Non-invasive tear collector for diabetes diagnosis**

Dong Yeon Nam, Seoul National University, Republic of Korea

PBE006 **Title: Non-invasive glucometer**

Amina Khan, Riphah International University, Pakistan

PBE007 **Title: Prenatal ultrasound evaluation of foetal kidney length in a Nigerian population**

Daniel Chimuanya Ugwuanyi, Nnamdi Azikiwe University, Nigeria

PBE008 **Title: Generalized derivative operator and its application in fracture mechanics**

Hooman Zarreh, The University of Auckland, New Zealand

PBE009 **Title: Local, sustained delivery of triamcinolone with an accurate dose control for prevention of fibrosis around silicone implants**

Beom Su Jeon, Seoul National University, Republic of Korea

PBE010 **Title: Facial-nerve regeneration ability of a hybrid artificial nerve conduit containing uncultured adipose-derived stromal vascular fraction**

Patrick Rhodius, Tissue Engineering and Wound Healing Laboratory, USA

PBE011 **Title: Impact of HIV and hepatitis B virus coinfection on selected haematological markers of the patients in Umuahia, Abia state, Nigeria**

Emmanuel Ifeanyi Obeagu, University of Agriculture, Nigeria

Award and Closing Ceremony

Lunch Break 13:00-14:00 @ 3F Regency DE

Panel Discussions and B2B Meetings

Next in Series

5th International Conference on

Pharmaceutical and Biomedical Engineering

September 19-20, 2018 Singapore

e-mail: biomedical@pharmaceuticalconferences.org | pharmaengineering@pharmaceuticalconferences.org

Website: <http://engineering.pharmaceuticalconferences.com>