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763rd Conference

Scientific Program

4th International Conference on

Bioprocess and Bio Therapeutics

October 20-21, 2016 Houston, USA



Hosting Organizations: Conference Series LLC

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Email: bioprocess@conferenceseries.com

09:00-10:00 Registrations

Windsor - I

conference**series**.com 10:00-10:20

Opening Ceremony

Keynote Forum

10:20-10:55 **Title: Local apertureless SNOM for biomaterials without staining much higher resolving, more versatile, easier, and cheaper than stochastic STED and PALM**
Gerd Kaupp, University of Oldenburg, Germany

Group photo

Networking and Refreshments Break: 10:55 -11:20 @ Foyer

11:20-11:55 **Title: Upstream bioprocessing of natural colchicine**
Sivakumar Ganapathy, University of Houston, USA

11:55-12:30 **Title: Perspectives and new process developments in cell therapy**
Frank Emmrich, University of Leipzig, Germany

Video presentation

12:30-12:50 **Title: Production of bio-ethanol from mesquite tree using fermentation process**
Ahmed Mubarak Alsobaai, Hadhramout University, Yemen

Panel Discussion 12:50-13:00

Lunch Break: 13:00-13:50 @ Churchill

Workshop on

13:50-14:50 **Title: Calpain activity and sperm penetration assay in unexplained infertile man**
Sabah Alwachi, American University of Beirut, Lebanon

Sessions:

Biochemical Engineering | Bioprocess and Product Development

Session Chair: Frank Emmrich, University of Leipzig, Germany

Session Introduction

14:50-15:15 **Title: Fluid dynamics and scale-up of pharmaceutical**
K Alba, University of Houston, USA

15:15-15:40 **Title: Mass preparation of fish antifreeze protein**
Sakae Tsuda, National Institute of Advanced Science and Technology, Japan

Networking and Refreshments Break: 15:40-16:00 @ Foyer

16:00-16:25 **Title: Advancing monoclonal antibody production with improved purification technology**
Nian Rui, Qingdao Institute of Bioenergy and Bioprocess Technology-CAS, China

Poster presentations 16:25-17:30

BPBT 01 **Title: Fluid mixing, dynamics and scale-up of biofuel molecules**
A Hasnain, University of Houston, USA

BPBT 02 **Title: Biomanufacturing of bioethanol**
Aarthi Narayanan, University of Houston, USA

BPBT 03 **Title: Colchicum autumnale genome mining for colchicine pathway genes**
Ana Gabriela Mata, University of Houston, USA

BPBT 04 **Title: A mild and inexpensive depolymerization method towards "cleaner" biofuels, chemicals and materials from corn stover**
Dushyanthi Hoole, Michigan State University, USA

BPBT 05 **Title: Bioprocess engineering of antioxidant molecule**
Clarissa Estrella, University of Houston, USA

BPBT 06 **Title: Biomanufacturing of liquid fuel molecules**
Jose Madrid, University of Houston, USA

- BPBT 07 **Title:RNA-seq analysis of *Gloriosa superba* L.**
Melissa Silva, University of Houston, USA
- BPBT 08 **Title:Transcriptome analysis of *Stichococcus bacillaris* strain siva2011**
Michael Wilde, University of Houston, USA
- BPBT 09 **Title:An expressed sequence tag database analysis of colchicine genes in *Gloriosa superba***
Mirtha Sara Belen, University of Houston, USA

Day 2 October 21, 2016

Windsor - I

Keynote Forum

10:00-10:35 **Title: Rapid Discovery of Therapeutic Antibody with Improved Druggability and Developability**
Zhinan Xia, Moderna Biotherapeutics,USA

Networking and Refreshments Break: 10:35 -10:50 @ Foyer

10:50-11:25 **Title: Cell culture kinetics and automation**
Yung shyeng Tsao, Merck Research Laboratory, USA

11:25-12:00 **Title: Vitamin K fermentation: Challenges and prospectives**
Aydin Berenjian, Waikato, New Zealand

Workshop on

12:00-13:00 **Title: Mathematical tranformation to faciliate the proper calculation and presentation of specific rates in cell culture**
Yung Shyeng Tsao, USA

Lunch Break: 13:00-14:00 @ Churchill

Sessions:
Fermentation Technology

Session Chair: Aydin Berenjian, Waikato, New Zealand

Session Introduction

14:00-14:25 **Title: Fermentation technology to recover energy and high-value added products from seaweed**
Yutaka Nakashimada, Hiroshima University, Japan

14:25-14:50 **Title: Textile bioreactor a possible solution to reducing ethanol fermentation cost**
Osagie A Osadolor, University of Boras, Sweden

Sessions:
Fuel Development technology | Bioprocess Seperation Techniques

Session Chair: Sakae Tsuda, National Institute of Advanced Science and Technology, Japan

14:50-15:15 **Title:An integrated approach for whole bioprocess design**
Yuhong Zhou, University College London, UK

15:15-15:40 **Title:Improvement of gaseous energy recovery from organic wastes using biohythane process**
Debabrata Das, Indian Institute of Technology, Kharagpur, India

Panel Discussions 15:40-16:00

Networking and Refreshments Break: 16:00-16:20 @ Foyer

Awards Ceremony

Bookmark your dates

5th International Conference on

Bioprocess and Bio Therapeutics

September 25-27 2017 Jackson Ville, USA

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