

20<sup>th</sup> Global Congress on

# BIOTECHNOLOGY

&

3<sup>rd</sup> International Conference on

# ENZYMOMOLOGY AND MOLECULAR BIOLOGY

March 05-07, 2018 London, UK



**Conference Series - America**

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA  
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

**Conference Series - UK**

Kemp House, 152 City Road, London EC1V 2NX, UK  
Toll Free: +0-800-014-8923

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conference**series**.com 09:00-09:30

# Opening Ceremony

## Keynote Forum

- 09:30-10:10 **Title: Kinetic and molecular dissection of coupled ion-substrate membrane transport proteins**  
Peter J F Henderson, Astbury Centre for Structural Molecular Biology - University of Leeds, UK
- 10:10-10:50 **Title: Mixing enzyme discovery with engineering for sucrose-derived bioproducts: The case of GH13 and GH70 polymerases**  
Magali Remaud Simeon, INSA - Université de Toulouse, France

### Group Photo

### Networking & Refreshment Break 10:50-11:10 @ Breakout Area

- 11:10-11:50 **Title: Proteolytic abzymes as translational tools of the newest generation to be exploited for biodesign and bioengineering**  
Sergey Suchkov, I M Sechenov First Moscow State Medical University, Russia
- 11:50-12:30 **Title: Developing site-specifically modified ADCs using a chemoenzymatic approach**  
David Rabuka, Catalent Biologics, USA

### Sessions: Industrial Biotechnology | Pharmaceutical Biotechnology | Biotechnology Applications

Session Chair: Sergey Suchkov, Moscow State Medical University, Russia

### Session Introduction

- 12:30-13:00 **Title: Efficiency of the antioxidative system is the first prerequisite for effective doubled haploids production with the use of isolated microspore culture method**  
Iwona Zur, Polish Academy of Sciences, Poland

### Lunch Break 13:00-14:00 @ RBG

- 14:00-14:30 **Title: Development of approach to obtain *Brachypodium distachyon* L. regenerative plants with morphogenetic stability**  
Omirbekova N Zh, Al-Farabi Kazakh National University, Kazakhstan
- 14:30-15:00 **Title: Toxicological aspects of physiological and biochemical changes with potassium silicate and silica nano-particles on albino rat**  
Helmi Mohamed El-bendary, Fayoum University, Egypt
- 15:00-15:30 **Title: Engineering carbon-conserving synthetic pathways for assimilation and conversion of C5/C6 carbon sources into added value chemicals**  
Jean M Francois, Université Fédérale Toulouse Midi-Pyrénées, France

### Sessions: Structural Enzymology | Enzymology & Biochemistry

Session Chair: Magali Remaud-Simeon, INSA-Toulouse, France

### Session Introduction

- 15:30-16:00 **Title: Molecular enzymology of DNA methyltransferases – conformational changes and allosteric regulation**  
Albert Jeltsch, University Stuttgart, Germany

### Networking & Refreshment Break 16:00-16:20 @ Breakout Area

- 16:20-16:50 **Title: N-acyltransferases and their role in fatty acid amide biosynthesis**  
David J Merkler, University of South Florida, USA
- 16:50-17:20 **Title: Lysyl oxidase: A versatile and elusive enzyme**  
Karlo M Lopez, California State University-Bakersfield, USA

17:20-17:50 **Title: ProxiMAX randomization: Precision protein engineering**

**Anna V Hine**, Aston University, UK

17:50-18:20 **Title: Stability and function of a thermophilic cytochrome c'**

**Sotaro Fujii**, Hiroshima University, Japan

**Networking and Award Ceremony**

**Panel Discussion**

**Day 2 March 06, 2018**

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**Keynote Forum**

10:00-10:40 **Title: Principles of profiling as applicable to the infrastructure of continuous education system to impact for having drug design to suit an innovative model of translational pipeline**

**Sergey Suchkov**, I M Sechenov First Moscow State Medical University, Russia

**Networking & Refreshment Break 10:40-11:00 @ Breakout Area**

11:00-11:40 **Title: Plasmonic biosensors on demand: Tunable penetration depth, compactness, ultrahigh sensitivity and enhanced spectroscopies**

**Ibrahim Abdulhalim**, Ben-Gurion University of the Negev, Israel

11:40-12:20 **Title: Thermophilic enzymes with applications for industrial biocatalysis**

**Jennifer A Littlechild**, University of Exeter, UK

12:20-13:00 **Title: How urease accessory proteins coupled GTP hydrolysis/binding to nickel delivery to urease?**

**Kam Bo Wong**, The Chinese University of Hong Kong, China

**Lunch Break 13:00-14:00 @ RBG**

**Poster Presentations @ Foyer 14:00-14:30**

PS 1 **Title: Inhibition of Lysyl oxidase in breast cancer cells by small-molecule inhibitors**

**Kathryn A Johnston**, California State University, USA

PS 2 **Title: Design, construction and extracellular expression of L-asparaginase from *Dickeya chrysanthemi* in yeast**

**Brian Effer**, University of La Frontera, Chile

PS 3 **Title: Study of the potential use of antifreeze proteins of *Deschampsia antarctica* in the cryopreservation of *Salmo salar* spermatozoa**

**Short S**, Universidad de La Frontera, Chile

PS 4 **Title: Characterization of antifreeze activity in apoplasmic extract of *Deschampsia antarctica***

**Fariás J G**, Universidad de La Frontera, Chile

PS 5 **Title: Computer aided screening of mangrove ecosystem derived compound against acetyl-cholinesterase**

**Shahid ullah**, Shenzhen University, China

**Sessions: Molecular Enzymology | Enzyme Therapeutics | Enzymology in drug discovery | Industrial Biotechnology | Biotechnology Applications**

**Session Chair: Jennifer A Littlechild**, University of Exeter, UK

**Session Co-Chair: Shree Kumar Apte**, Bhabha Atomic Research Centre, India

**Session Introduction**

14:30-15:00 **Title: Engineering cyanobacterial nitrogen bio-fertilizer for rice cultivation in stressful environment**

**Shree Kumar Apte**, Bhabha Atomic Research Centre, India

15:00-15:30 **Title: The dual role of integrase in HIV-1 replication**

**Mamuka Kvaratskhelia**, University of Colorado School of Medicine, USA

15:30-16:00 **Title: Characterization of cystathionine  $\gamma$ -lyase from *T. gondii*: A target for drug development?**

**Alessandra Astegno**, University of Verona, Italy

**Networking & Refreshment Break 16:00-16:20 @ Breakout Area**

- 16:20-16:50** Title: **Influence of four kinds of additives and concentration on oats silage effect**  
Yungui Yang, Northwest A & F University, China
- 16:50-17:20** Title: **Enhanced production of *Bacillus thuringiensis* subspecies israelensis delta endotoxin by the use of rotten pineapple juice and fish-amino acid as medium ingredients**  
C Gopinathan, University of Calicut, India
- 17:20-17:40** Title: **Structure/function of 3'-phosphoadenosine 5'-phosphosulfate (PAPS) synthase (PAPSS)**  
K V Venkatachalam, Nova Southeastern University, USA (VP)

**Networking and Award Ceremony**

**Day 3 March 07, 2018 Extended Networking & Lunch 12:30-13:30 @ Restaurant**



**Bookmark your dates**

21<sup>st</sup> European

# Biotechnology Congress

October 11-12, 2018 Moscow, Russia

E: [eurobiotechnology@geneticconferences.com](mailto:eurobiotechnology@geneticconferences.com)

W: [biotechnologycongress.com/europe](http://biotechnologycongress.com/europe)

4<sup>th</sup> International Conference on

# Enzymology and Molecular Biology

February 28- March 01, 2019 Berlin, Germany

E: [enzymology@annualconferences.org](mailto:enzymology@annualconferences.org)

W: <https://enzymology.conferenceseries.com/>