

Proceedings of

Joint Event

24th World

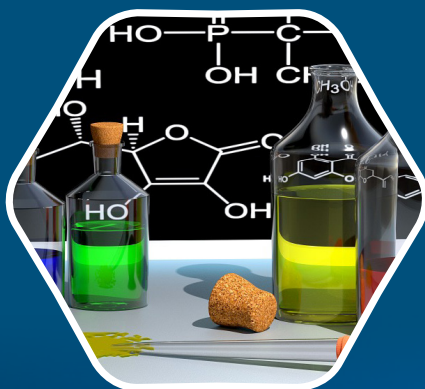
CHEMISTRY & SYSTEMS BIOLOGY

4th International Conference on

&

BIOCHEMISTRY AND METABOLOMICS

October 03-04, 2018 | Los Angeles, USA



Day 1 October 03, 2018

Conference Hall: Colombard

08:30-09:00 Registrations

09:00-09:15 Opening Ceremony

Keynote Forum

09:15-09:55 Title: **Electrostatic interactions play key roles on the motions of molecular motors**
Lin Li, University of Texas, USA

09:55-10:35 Title: **Enzymatic preparation of nanostructured supramolecular assemblies from biological macromolecules**
Jun-ichi Kadokawa, Kagoshima University, Japan

Group Photo 10:35-10:40

Panel Discussion

Networking and Refreshment Break 10:40-11:00

11:00-11:40 Title: **Regulation of global brain states: Orienting oscillatory trajectories**
Denis Larrivee, Loyola University Chicago, USA

11:40-12:20 Title: **Volatile organic metabolites as a novel, non-invasive diagnostic biomarkers in inflammatory bowel disease**
Iftikhar Ahmed, University of Southampton, UK

12:20-13:00 Title: **Cow antibodies: Unusual biology and new opportunities**
Vaughn Smider, Scripps Research Institute, USA

Panel Discussion

Lunch Break 13:00-14:00

Sessions: Systems and Synthetic Biology | Biochemistry and Enzymology | Antibody Engineering & Therapeutics | Pharmaceutical Biochemistry | Mass Spectrometry in Proteomics | Computational Systems Biology

Session Chair: Jun-ichi Kadokawa, Kagoshima University, Japan

Session Chair: Denis Larrivee, Loyola University Chicago, USA

Session Co-chair: Lin Li, University of Texas, USA

14:00-14:30 Title: **Identification of the calcium-dependent gating and targeted-drug discovery of calcium-activated chloride channels**
Hailong An, Hebei University of Technology, China

14:30-15:00 Title: **Bird and mammalian lactate dehydrogenase isoenzymes**
Dagmar Heinová, University of Veterinary Medicine and Pharmacy in Košice, Slovak Republic

15:00-15:30 Title: **Glycopeptides by quantum chemistry and artificial intelligence**
Mehmet Gokhan Habiboglu, Turkish-German University, Turkey

Panel Discussion

Networking and Refreshment Break 15:30-15:50

15:50-16:20 Title: **Quantum and statistical mechanical and bioinformatics studies in Alzheimer's and Parkinson's diseases**
Orkid Coskuner Weber, Turkish-German University, Turkey

Panel Discussion 16:20-16:40

Day 1 Conclusion

CSBC & Biochem Congress 2018

Day 2 October 04, 2018

Conference Hall: Colombard

Keynote Forum

09:00-09:40 Title: **Hydralazine induces stress resistance and extends *C. elegans* lifespan by activating the NRF2/SKN-1 signaling pathway**

Hamid Mirzaei, UT Southwestern Medical Center, USA

09:40-10:20 Title: **Regulation of the activity of the promoter of RNA-induced Silencing, C3PO**

Suzanne Scarlata, Worcester Polytechnic Institute, USA

Panel Discussion

Networking and Refreshment Break 10:20-10:40

Group photo

10:40-11:20 Title: **The macroscopic coherence in synchronized chemical and biochemical reactions: The way to the self-organizing chemical systems**

Tofik Murtuza Nagiev, Nagiev Institute of Catalysis and Inorganic Chemistry, Azerbaijan

11:20-12:00 Title: **The Logic of bioactive small molecules: Looking for new drugs for refractory diseases**

Makoto Ubukata, Hokkaido University, Japan

Sessions: Systems and Synthetic Biology | Pharmaceutical Biochemistry | Biochemistry and Enzymology | Computational Systems Biology | Cellular and Molecular Biology | Biophysics

Session Chair: Hamid Mirzaei, UT Southwestern Medical Center, USA

Session Chair: Dagmar Heinová, University of Veterinary Medicine and Pharmacy in Košice, Slovak Republic

12:00-12:30 Title: **Mitochondrial dysfunction, oxidative stress and genetic factors in Alzheimer's disease**

Orkid Coskuner Weber, Turkish-German University, Turkey

12:30-13:00 Title: **Impact of NAc on the glycosidic linkage flexibility of carbohydrate-peptide complexes**

Mehmet Gokhan Gokcen, Turkish-German University, Turkey

Panel Discussion

Lunch Break 13:00-14:00

14:00-14:30 Title: **Effect of saponin from *Solanum anguivi* on heart function of Alloxan induced Diabetic rats**

Oladepo Mutiu Lolade, Adekunle Ajasin University, Nigeria

14:30-15:00 Title: **Descriptive and predictive analysis of gene co-expression networks**

Harun Pirim, King Fahd University of Petroleum and Minerals, Saudi Arabia

Poster Presentations 15:00-15:30

P1 Title: **Characteristics of an antigen-adjuvant immunological complex in an experimental vaccine formulation**

Maria de Fátima Simão Jucá Criz, IPPN Federal University of Rio de Janeiro, Brazil

P2 Title: **Simulation of the electronic properties of Group 14 phthalocyanine derivatives**

Asare Nkansah, University of Kentucky, USA

Panel Discussion

Networking and Refreshment Break 15:30-15:50

Networking & B2B Meetings

Awards and Closing Ceremony