

Metabolic Engineering Conference is the Top-notch Conference on Metabolic Engineering-Synthetic biology. Conference is started with inauguration speech on yeast metabolic engineering by **Prof. Jens Nielsen** (CUT, Sweden) on 26th afternoon, 2016 at Awaji International Conference Center. The **Day 1st** was followed by speech from **Dr. Hiroyuki Kojima** about amino acid generation. The **Day 2nd** has started with very interesting talk on synthetic methane consuming system by **Prof. James Liao** (UCLA). Technical session 1 was consisted of few interesting talks on Metabolic Engineering for fuels and chemicals likely production of non-biodegradable polythioesters; bioplastic and pharmaceutical precursors. This session is headed by Prof. George Chen (Tsinghua University) and **Prof. Ramon Gonzalez** (Rice University). Technical Session 2 was lectured by few eminent professors namely **Prof. Huimin Zhao** (University of Illinois); **Prof. Terry Papoutsakis** (University of Delaware). After lunch, technical session 3 has continued on programming Bacteria by **Prof. Christopher Voigt** (MIT), **Prof. Michael Betenbaugh** (Johns Hopkins University).

Day 3rd technical session 4 was dedicated to Computational Tools and Methods for Metabolic Engineering development approaches. Session 4 started with **Prof. Maranas** (Pennsylvania State University) presentation on Describing Metabolism at a Genome-scale Using Kinetic Descriptions. Afterwards, I, **Dr. Dipankar Ghosh** have represented Imperial College London. A great deal of responses have been received from the eminent audiences likely **Prof. G Stephanopoulos** (MIT), **Prof. Jens Nielsen** (Chalmers University of Technology, Sweden), **Jay D. Keasling** (UC Berkeley) on my presentation. Even I have got lots of appreciations by other eminent researchers' day onwards. Session 5 was mostly focused on Engineered Polyketide Synthases (by **Prof. J Keaslings**, UCLA); 1, 5-Diaminopentane production (Volker Wendisch, Bielefeld University). Shimadzu Scientifics delivered speech on Cell culture profiling analysis by LC/MS/MS Triple Quadrupole Mass Spectrometer. Session 6 was started with great speech from "Father of Metabolic Engineering" **Prof G. Stephanopoulos** (MIT) on "Rewiring Metabolism to Maximize Lipid Overproduction". Prof **Ramon Gonzalez** (Rice University) had delivered his speech on an Orthogonal and Modular Pathway for the Efficient Synthesis of Functionalized Small Molecules.

On **day 4th** most of the session are compiled with influence of Omics sciences, design & assembly on metabolic circuits towards industrial and medical applications. **Prof. Uwe Sauer** (ETH Zurich) has delivered lecture on metabolomics as a hypothesis generator. **Prof K. Prather** (MIT) gave a talk on enzyme screening. **Dr. Jorgen Hansel** and **Dr. H. Nagarajan** have represented "Evolva", Denmark and "Genomatica", USA. **Day 5th**, Most of the researchers talked about **Cyanobacterial metabolic engineering** specially **Dr. Yin Li** (CAS) and **Dr. Shota Atsumi** (UCLA). Another important talk delivered by **Prof. Sang Yup Lee** (KAIST) on non-natural polymer synthesis in *E.coli*. **Dr. Mattheos Koffas** (RPI) explained CRISPRi System.

Major benefit of attendance is to listen research progresses by eminent scientists meeting them face to face interactions. It is a great arena to share own research work in front of great audiences; getting suggestions and criticisms to improve quality of own work. Moreover, listening presentation from pioneering scientists are really recharging intense research interest, hunger for science to do quality research work in future.