



## **“2nd International Workshop of *Cyanofactory*”**

**5<sup>th</sup> March – 6<sup>th</sup> March 2015**

**Tokyo University of Agriculture & Technology  
Green Hall, Koganei Campus**

### **Day 1; 5<sup>th</sup> March 2015**

**13:00 – 13:05      Opening remark**

**13:05 – 13:30      Introduction      Dr. Koji SODE**

Principal Investigator, Cyanofactory, CREST, JST

Professor, Department of Biotechnology and Life-science, Graduate School of Engineering

Tokyo University of Agriculture & Technology

### **13:30 – 16:30      INVITED LECTURE**

**13:30 – 14:00      “CyanoFactory: A European project to design, construct and demonstrate solar biofuel production using novel (photo)synthetic cell factories”**

**Dr. Peter LINDBLAD**

Coordinator “CyanoFactory”, FP7 project

Professor, Microbial Chemistry, Department of Chemistry – Ångström Laboratory

Uppsala University, Sweden

**14:00 – 14:30      “A synthetic biology approach to improving cyanobacterial chemical production”**

**Dr. Shota ATSUMI**

Assistant Professor, Department of Chemistry, University of California, Davis, CA, USA

**14:30 – 15:00      “Biotechnology of a mass cultivation of *Synechocystis* PCC 6803 in photobioreactors”**

**Dr. Giuseppe TORZILLO**

Permanent researcher, Institute of Ecosystem Study, National Research Council of Italy, Florence, Italy

**15:00 – 15:30 Coffee break**



**15:30 – 16:00      “Tools for the use of *Synechocystis* sp. PCC 6803 as a photoautotrophic chassis”**

**Dr. Paula TAMAGNINI**

Associate Professor, Instituto de Investigação e Inovação em Saúde, IBMC - Instituto de Biologia Molecular e Celular, Faculdade de Ciências, Departamento de Biologia, Universidade do Porto, Porto, Portugal

**16:00 – 16:30      “Two synthetic biology devices for improved biosafety of genetically modified *Synechocystis* sp. PCC6803”**

**Dr. Marko DOLINAR**

Associate Professor, Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia

**16:30 – 17:00      “The *Cyanofactory*<sup>TM</sup> ; Presentation of an efficient photo bioreactor system”**

**Mr. Hans Jürgen SCHMITZ**

Engineer, KSD Innovations GmbH - Environmental and Process Engineering, Hattingen, NRW, Germany

**17:30 – 19:30 Poster Session**

**<“Ellipse” 3<sup>rd</sup> auditorium>**



**Day 2; 6<sup>th</sup> March 2015**

**10:00 – 12:15      INVITED LECTURE**

**10:00 – 10:30      “Functional analysis of histidine kinase by expression of chimeric kinase in the cyanobacterium *Synechocystis* sp. PCC 6803”**

**Dr. Iwane SUZUKI**

Professor, Faculty of Life and Environmental Sciences, University of Tsukuba, Japan

**10:30 – 11:00      “Synthetic biological devices for lysis in the *Cyanofactory* platform”**

**Dr. Stefano FERRI**

Associate Professor, Shizuoka University, Hamamatsu, Japan

**11:00 – 11:30      “*In vivo* imaging of biomolecules in a living microalga cell using confocal Raman microspectroscopy”**

**Dr. Tomoko YOSHINO**

Associate Professor, Department of Biotechnology and Life-science, Graduate School of Engineering, Tokyo University of Agriculture & Technology

**11:30 – 12:00      Concluding Remarks**