



6th (Mon) September

Opening remarks

13:00-13:15 Professor Hiroshi Sano

The dynamics of chromatin biology

13:15-13:45 *Control of gene expression by histone variants and chromatin remodeling involving DNA topoisomerases*

Karl Ekwall, Dept of Biosciences and Nutrition, NOVUM, Huddinge, Sweden

13:45-14:15 *Visualization of epigenetic histone modifications in living cells*

Hiroshi Kimura, Osaka University, Osaka, Japan

14:15-14:45 *Chromatin replication & histone dynamics - challenges of replication stress*

Anja Groth, Biotech Research and Innovation Centre, University of Copenhagen, Denmark

14:45-15:15 *DNA methylation in early embryogenesis and spermatogenesis*

Toru Nakano, Department of Pathology, Osaka University Medical School, Osaka, Japan)

15:15-15:30 Short talk to be chosen from abstracts

15:30-16:00 Coffee break

Chromatin marks and stem cells

16:00-16:30 *Stepping histones: Chromatin modifying proteins control neural stem cell state and fate*

Ola Hermanson, Department of Cell and Molecular Biology, Karolinska Institutet

16:30-17:00 *The chromosome interactome and stem cell differentiation*

Anita Göndör, Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet, Stockholm, Sweden

17:00-17:30 *The role of Polycomb group proteins and histone demethylases in stem cell differentiation and cancer*

Kristian Helin, Biotech Research and Innovation Centre, University of Copenhagen, Denmark

17:30-17:45 Short talk to be chosen from abstracts

Poster

18:00 – 19:00 Poster session

7th (Tue) September

Chromatin marks and non-coding RNA

9:00-9:30 *Epigenetics of imprinted long noncoding RNAs*

Chandrasekhar Kanduri, Department of Genetics & Pathology, Uppsala University, Uppsala Sweden

9:30-10:00 *Non-coding RNA binds to heterochromatin via a DNA:RNA hybrid to mediate RNAi-directed heterochromatin formation*

Yota Murakami, Faculty of Science, Hokkaido University, Sapporo, Japan

10:00-10:15 Short talk to be chosen from abstracts

10:15-10:45 Coffee break

Emerging new technologies in epigenetics

10:45-11:15 *New technologies for chromatin research*

Noriyuki Sumida, Department of Microbiology, Tumor and Cell Biology
Karolinska Institutet, Stockholm, SWEDEN

Epigenetics and human diseases

11:15-11:45 *Epigenetic alterations in the chronic alcoholic brain*

Tomas J Ekström, Center for Molecular Medicine, Karolinska Institutet, Stockholm, Sweden

11:45-12:15 *Epigenetic plasticity regulated by polycomb repressive complex-mediated histone H3 lysine 27 trimethylation as a novel target for human glioblastoma treatment*

Yutaka Kondo, Aichi Cancer Center, Research Institute, Nagoya, Japan

12:15-12:30 Short talk to be chosen from abstracts

Closing remarks

12:30-12:45 Professor Rolf Ohlsson

To register: e-mail(info@jspm-sto.com) or fax(+46-(0)8-31 38 86) to JSPS Stockholm Office

*Deadline: 31 August 2010 *Registration is free of charge *This Colloquium is open to all.

JSPS Stockholm Office, Retzius väg3, SE-171 65, Stockholm, Sweden URL: <http://www.jspm-sto.com>