

Schedule for IIAS Research Conference 2014 and IIAS Lecture 2014 "Chromatin Decoding"

(2013.4.30)

| 2014  | Monday, May 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tuesday, May 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wednesday, May 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Thursday, May. 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
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| 9:00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>9:00-11:40</b><br><b>Session 2 "Structual aspects of chromatin decoding"</b><br><b>Chair: Kosuke Morikawa (IIAS)</b><br>1. RNA-protein interactions in the heart of the spliceosome<br><b>Andy Newman</b> (MRC LMB, Cambridge, UK) (30+10)<br>2. Decoding of epigenetic status by the maintenace DNA methylation regulator UHRF1<br><b>Mariko Ariyoshi</b> (Kyoto Univ.) (20+10)<br>(20min break)<br>3. Architecture of an RNA polymerase II transcription pre-initiation complex<br><b>Kenji Murakami</b> (Stanford Univ. Medical School, USA) (20+10)<br>4. Structure and dynamics of the nucleosome isoforms<br><b>Hitoshi Kurumizaka</b> (Waseda Univ.) (20+10)<br>(10min break)                                                                                                                                                                                                                                                              | <b>9:00-11:20</b><br><b>Session 4 "Chromatin-RNA interface"</b><br><b>Chair: Hiroshi Sakamoto (Kobe Univ.)</b><br>1. PIWI-interacting RNA in Drosophila germline; its biogenesis and function<br><b>Mikiko C. Siomi</b> (Univ. Tokyo) (30+10)<br>2. A role for chromosomal RNA bodies as an epigenetic mark<br><b>Yasushi Hiraoka</b> (Osaka Univ. ) (30+10)<br>(20 min break)<br>3. The complex landscape of the chromatinized template affects co-transcriptional mRNA splicing in yeast<br><b>Christine Guthrie</b> (UCSF, USA) (30+10)                                                              | <b>9:00-11:50</b><br><b>Session 7 "Extended phenotypes of chromatin"</b><br><b>Chair: Kunihiro Ohta (Univ. Tokyo)</b><br>1. Transcriptional regulation driving megakaryocyte maturation and platelet production<br><b>Hozumi Motohashi</b> (Tohoku Univ. ) (20+10)<br>2. Epigenetic regulation of hematopoietic stem cells<br><b>Atsushi lwama</b> (Chiba Univ. ) (30+10)<br>(20min break)<br>3. Computational epigenomics in cancer and aging<br><b>Wei Li</b> (Baylor College of Medicine, USA) (30+10)<br>4. Oscillatory gene expression in somitogenesis and neurogenesis<br><b>Ryoichiro Kageyama</b> (Kyoto Univ. ) (30+10) | 9:00  |
| 10:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10:00 |
| 11:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Plenary Talk 3</b><br><b>11:20-12:00</b><br>Toggling in the spliceosome<br><b>John Abelson</b> (UCSF, George Beadle Emeritus Professor, Caltech, USA) (30+10)                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11:00 |
| 12:00 | Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Plenary Talk 2</b><br><b>11:40-12:20</b><br>The nucleosome: Guardian and gateway to the genome<br><b>Timothy J. Richmond</b> (ETH Zurich, Switz) (30+10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LUNCH<br>12:00 - 13:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>11:50-12:05</b><br><b>Concluding Remarks/Kosuke Morikawa (IIAS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12:00 |
| 13:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12:20 - 13:30<br>LUNCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12:05 - 13:30<br>LUNCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13:00 |
|       | <b>13:15-13:30</b><br><b>Welcome Address/Yoshio Tateishi (IIAS)</b><br><b>Opening Remarks/Yoshiro Shimura (IIAS)</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>13:00-15:10</b><br><b>Session 5 "Molecular decoding 1"</b><br><b>Chair: Yuki Okada (Univ. Tokyo)</b><br>1. Mechanism and function of Tet-mediated dynamic regulation of 5mC<br><b>Yi Zhang</b> (Harvard Medical School Boston Children's Hospital, USA) (30+10)<br>2. Characterization of non-histone lysine methylation by a synthetic cofactor<br><b>Yoichi Shinkai</b> (RIKEN) (30+10)<br>(10 min break)<br>3. Epigenetic Memory: From plasticity to dementia<br><b>Andre Fischer</b> (University Medical Center Göttingen, German Center for Neurodegenerative Diseases (DZNE), Germany) (30+10) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14:00 |
|       | <b>13:30-13:50</b><br><b>Overview of the International Conference</b><br><b>Fuyuki Ishikawa</b> (Kyoto Univ.)                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>13:30-17:20</b><br><b>Session 3 "Transcriptional decoding of chromatin"</b><br><b>Chair: Kazuhiko Igarashi (Tohoku Univ. )</b><br>1. Histone methylation regulation, recognition and link to human disease<br><b>Yang Shi</b> (Harvard Medical School Boston Children's Hospital, USA) (30+10)<br>2. Epigenetic regulation of mouse sex determination by histone demethylation<br><b>Makoto Tachibana</b> (Univ. Tokushima) (30+10)<br>(20 min break)<br>3. Identifying the chromatin looping factors connecting the social genome<br><b>Mathieu Lupien</b> (The Princess Margaret Cancer Centre/University of Toronto, Canada) (30+10)<br>4. Molecular coupling between DNA replication and maintenance DNA methylation<br><b>Makoto Nakanishi</b> (Nagoya City Univ. ) (30+10)<br>(10 min break)<br>5. A CTD code of RNA polymerase II promotes heterochromatin formation via lncRNA and RNAi.<br><b>Yota Murakami</b> (Hokkaido Univ.) (30+10) | <b>15:10-15:30</b><br><b>Short talk 1 (15+5)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15:00 |
|       | <b>13:30-13:50</b><br><b>Overview of the International Conference</b><br><b>Fuyuki Ishikawa</b> (Kyoto Univ.)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>15:30-15:50</b> Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| 14:00 | <b>Session1 "Telomere and centromere chromatin"</b><br><b>14:00-16:20</b><br><b>Chair: Hiroshi Masumoto (Kazusa DNA Research Institute)</b><br>1. Telomere DNA Replication<br><b>Fuyuki Ishikawa</b> (Kyoto Univ.) (30+10)<br>2. Centromere specific chromatin structure<br><b>Tatsuo Fukagawa</b> (National Institute of Genetics) (30+10)<br>(20 min break)<br>3. Mechanism of Transcriptional Dysregulation in Cornelia de Lange syndrome: Novel insight from Novel Gene Identification<br><b>Katsuhiko Shirahige</b> (Univ. Tokyo) (30+10) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>15:50-18:00</b><br><b>Session 6 "Molecular decoding 2"</b><br><b>Chair: Makoto Tachibana (Univ. Tokushima)</b><br>1. Role of heterochromatin protein 1 in higher-order chromatin assembly<br><b>Jun-ichi Nakayama</b> (Nagoya City Univ. ) (30+10)<br>2. Epigenetics and dynamics of non-coding genome<br><b>Kunihiro Ohta</b> (Univ. Tokyo) (30+10)<br>(10 min break)<br>3. Condensin is a critical organizer of the functional genome<br><b>Ken-ichi Noma</b> (The Wistar Institute, USA) (30+10)                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16:00 |
| 15:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 17:00 |
| 16:00 | <b>Plenary Talk 1</b><br><b>16:20-17:00</b><br>Two stories of chromatin: Epigenetic silencing and telomere function<br><b>Thomas R. Cech</b> (Univ. Colorado Boulder, USA) (30+10)                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18:00 |
| 17:00 | 17:00-19:00<br>Welcome Reception                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 17:20-18:30<br>Poster Presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18:00-18:20<br>Short talk 2 (15+5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| 18:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |
| 19:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 18:30-20:00<br>Dinner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 18:20-20:00<br>Dinner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 19:00 |
| 20:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20:00 |