

**Fourth Annual Awardees Meeting  
Hakone, Japan, 15-18 May 2004**

**Saturday 15 May**

- 15:00-19:00 Registration
- 17:00-17:40 **15<sup>th</sup> Anniversary celebration (M.C. Mr. Fumiyasu Hirashita, MEXT)**  
17:00-17:08 Dr. Ito, President of HFSP  
17:08-17:15 Dr. Wiesel, Secretary General of HFSP  
17:15-17:30 Mr. Nakasone, Former Prime Minister  
17:30-17:35 MEXT  
17:35-17:40 METI
- 17:40-18:30 **Plenary Lecture: “Cell migration in the Zebrafish”**  
*Prof. Christiane Nusslein-Volhard*
- 18:30-21:00 Welcome reception

**Sunday 16 May**

- 9:00-9:05 **Opening remarks/Welcoming address**  
**Prof. Masao Ito, President, HFSP**

**Oral session 1 (Chair: Paul Lasko)**

- 9:05-9:25 **From stem cells to flowers**  
Stehling, S., Schwab, R., Kehle, A., Demar, M., *Lohmann, J.U.*
- 9:25-9:45 **Tie2/Angiopoietin-1 Signaling Regulates Hematopoietic Stem Cell Quiescence in the Bone Marrow Niche**  
*Suda, T., Arai, F., Hirao, A.*
- 9:45-10:05 **Antp Superclass Genes Consortium: the origin of regulatory genes and major body plan innovations**  
*Schierwater, B., Holland, P.W.H., Dellaporta, S.L.*
- 10:05-10:25 **Fore/ hind wing differentiation in the red flour beetle, *Tribolium castaneum***  
*Tomoyasu, Y., Wheeler, S.R., Shippy, T.D., Denell, R.E.*

10:25-11:05 *Coffee*

**Oral session 2 (Chair: Piergiorgio Strata)**

- 11:05-11:25 **Cellular and molecular mechanisms involved in the differentiation of cortical layer V neurons**  
*Molnár, Z., Audinat, E., Lavery, D., Yamamoto, N.*

11:25-11:45 **Unraveling the molecular basis of synaptic specificity in the mouse**

*Selimi, F., Wang, Q., Cristea, I., Heller, E., Chait, B., Heintz, N.*

11:45-12:05 **Depolarization-induced LTD at hippocampal mossy fiber CA3 pyramidal neuron synapses**

*Lei, S., Pelkey, K., Topolnik, L., Congar, P., Ashby, M.A., Henley, J.M., Lacaille, J.-C., McBain, C.J.*

12:05-12:25 **Critical role for the transmembrane AMPA receptor regulatory protein  $\gamma$ -8 in AMPA receptor trafficking at excitatory synapses**

*Rouach, N., Byrd, K., Kealey, C., Karimzadegan, S., Brecht, D.S., Nicoll, R.A.*

12:25-14:30 *Lunch*

14:30-17:00 Poster session I

18:00-22:00 Keynote Lecture and Dinner

18:00-19:00 **Keynote Lecture: "Challenges of Immune Disorders" Prof. Tadamitsu Kishimoto**

19:00-22:00 **Reception and Conference dinner**

## **Monday 17 May**

### **Oral session 3 (Chair: Hiroshi Handa)**

9:00-9:20 **Extra-coding functions of RNA polymerase III-transcribed genes**

*Dieci, G., Donze, D., Kobayashi, T., Conesa, C., Ferrari, R., Rivetti, C., Ruotolo, R., Buisson, N.P., Simms, T.A.*

9:20-9:40 **Structural and genetic characterization of replicating chromatin in response to replication stress**

*Lopes, M., Sogo, J. M.*

9:40-10:00 **A transcriptional regulatory switch for growth control in yeast**

*Shore, D., Di Mauro, E., Mizuta, K., Warner, J.R.*

10:00-10:20 **microRNA mediated control of plant morphogenesis**

*Palatnik, J.F., Allen, E., Schommer, C., Schwab, R., Wu, L., Carrington, J.C., Weigel, D.*

10:20-11:05 *Coffee*

#### **Oral session 4 (Chair: Phillip Branton)**

- 11:05-11:25 **Importance of Specifically Located Mitochondria for Ca<sup>2+</sup> Signal Organization**  
*Petersen, O.H., Voronina, S., Park, M.K., Ashby, M.C., Gerasimenko, O.V., Dolman, N.J., Rizzuto, R.R., Tepikin, A.V.*
- 11:25-11:45 **Nitric oxide signaling in mediating responses to hypoxia**  
*Dijkers, P.F., O'Farrell, P.H.*
- 11:45-12:05 **Quantitative Analysis of the Pheromone Signaling Pathway in Budding Yeast Haploid Cells**  
*Piel, M., Guo, C., Jiang, X.J., Murray, A.*
- 12:05-12:25 **Functional organization of the cell nucleus investigated through proteomics and molecular dynamics**  
*Lamond, A.I., Lam, Y.W., Mann, M., Andersen, J., Ellenberg, J., Pederson, T., Politz, J.*
- 12:25-12:45 **Molecular Mechanism of Nucleocytoplasmic Transport**  
*Aebi, U., Corbett, A.H., Hurt, E., Silver, P.A., Stewart, M., Yoneda, Y.*
- 12:45-13:05 **Misfolded proteins and the proteasome**  
*Holmberg, C.I., Staniszewski, K.E., Mensah, K.N., Matouschek, A., Morimoto, R.I.*
- 13:05-14:30 *Lunch*
- 14:30-17:30 *Excursions*
- 18:00-19:00 **Open discussion with HFSP staff**
- 19:00 *Dinner*

#### **Tuesday 18 May**

#### **Oral session 5 (Chair: Ko Sakai)**

- 8:45-9:05 **Cell assembly interactions between connected brain areas during learning and memory consolidation**  
*McNaughton, B.L., Lansink, C., Ito, R., Barnes, C.A., Everitt, B.J., Robbins, T.W., Pennartz, C.M.A.*
- 9:05-9:25 **Presynaptic inhibition in awake, behaving monkey**  
*Seki, K., Perlmutter, S.I., Fetz, E.E.*
- 9:25-9:45 **Stem Cell Therapy of Injured CNS**  
*Okano, H.*

9:45-10:05 **Preparing for the future task**  
*Sakai, K.*

10:05-10:25 **Brain mechanisms of syntactic processing**  
*Sakai, K.L., Phillips, C., Poeppel, D.*

*10:25-11:05 Coffee*

**Oral session 6 (Chair: Emil Pai)**

11:05-11:25 **Structural basis of active ion transport by P-type ATPase**  
*Toyoshima, C., Inesi, G., Champeil, P.*

11:25-11:45 **Accurate measurement of long-range distances and angles in nucleic acids and proteins from cross-correlated and liquid crystal NMR**  
*Boisbouvier, J., Bax, A.*

11:45-12:05 **Molecular movements essential for ribosome function**  
*Benitz, C., Mazaauric, M.H., Traïkia, M., Seol, Y., Skinner, G., Yoshizawa, S., Visscher, K., Fourmy, D., Joseph, S.*

12:05-12:25 **Structures of macromolecular assemblies and functions of molecular machines**  
*Bamford, D.H., Burnett, R.M., Stuart, D.I.*

12:25-12:45 **Evidence for a nanoscale gear mechanism in the molecular motor cytoplasmic dynein**  
*Mallik, R., Carter, B.C., Lex, S.A., King, S.J., Gross, S.P.*

*12:45-14:30 Lunch*

14:30-17:00 Poster session II

17:00-18:00 **Plenary Lecture**  
**Mechanism of Intracellular Transport and Kinesin Superfamily Proteins, KIFs: Structure, Dynamics, Functions, and Diseases**  
*Prof. Nobutaka Hirokawa*

18:00 Farewell reception and dinner

**Wednesday 19 May**

Visit to RIKEN