



**12th HFSP Awardees Meeting**  
**Daegu, Republic of Korea, 1 – 4 July 2012**

## **Sunday 1 July**

### ***Registration at Inter-Burgo EXCO Hotel and opening reception at EXCO***

13:00-17:00    Registration in lobby of Inter-Burgo EXCO Hotel

18:00-20:00    Welcome reception – EXCO (1<sup>st</sup> floor lobby)

19.00            Informal welcome from HFSPo Secretary General Prof. Ernst-Ludwig Winnacker

## Monday 2 July

8:45-9:15      **Opening remarks and Welcome address (Chair: Ernst-Ludwig Winnacker)**  
*Minister of Education, Science and Technology, Lee Ju-ho*  
*Mayor of Daegu City, Bum-il Kim*  
*President of HFSP, Prof. Nobutaka Hirokawa*

9:15 – 9:30      **Presentation of HFSP Nakasone Medal to Gina Turrigiano (Ernst-Ludwig Winnacker and Nobutaka Hirokawa)**

9:30-10:30      **HFSP Nakasone Lecture (Chair: Ernst-Ludwig Winnacker)**  
**The self-tuning neuron: homeostatic synaptic scaling in developing cortical networks**  
*Gina Turrigiano, Brandeis University, Waltham, USA*

10:30-11:00      *Coffee*

### Oral Session 1 (Chair: Rae Silver)

11:00-11:20      **From signals to shapes in tissue morphogenesis**  
*Shvartsman, S., Pismen, L., Dahmann, C., Audoly, B.*

11:20-11:40      ***In vivo* time-lapse imaging to decipher the dynamic mechanisms underlying dendrite morphogenesis**  
*Yoong, L. F., Moore, A. W.*

11:40-12:00      **How filopodia exert force**  
*Bornschlög, T., Bassereau, P.*

### Special Lecture (Chair: Ernst-Ludwig Winnacker)

12:00-12:30      **We are living in a changing society**  
*Kil-Choo Moon, President of KIST*

12:30-14:00      *Lunch*

### Oral Session 2 (Chair: Young-Joon Kim)

14:00-14:20      **Spatial organization of endocytic dynamics during epithelial morphogenesis in *Drosophila***  
*Fabrowski, P., Reversi, A., Necakov, A., De Renzis, S.*

14:20-14:40      **Cellular and molecular definition of liver stem cell niche**  
*Benhamouche, S., Liu, C.H., McClatchey, A.*

14:40-15:00      **The multiple timescales of motor memory**  
*Shadmehr, R., Kalaska, J., Kitazawa, S., Miall, C., Rossetti, Y.*

15:00-16:00      **Special session: Planning your career**  
*Guntram Bauer, HFSP Director of Fellowships*

16:00-18:00      **Poster session 1 (with refreshments)**

18:30              ***Dinner in the Grand Ballroom A at Hotel Inter-Burgo EXCO (floor B<sub>1</sub>), hosted by the Minister of Education, Science and Technology***

## Tuesday 3 July

9.00-10.00     **It's in the Guidelines: writing HFSP grant proposals**  
*Geoff Richards, HFSP Director of Research Grants*

### Oral Session 3 (Chair: Salvatore Olivieri)

10.00-10.20     **Mechanical environment modulates biological properties of oligodendrocyte progenitors cells**  
*Jagielska, A., Norman, A.L., Whyte, G., Van Vliet, K.J., Guck, J., Franklin, R.J.M.*

10.20-10.40     **Drosophila Pins regulates asymmetry of double strand break repair between neural stem cells and intermediate progenitors**  
*Shcheprova, Z., Gonzalez, C.*

10.40-11.10     *Coffee*

11.10-11.30     **Single molecule and super resolution imaging of transcription by reflected light sheet microscopy**  
*Gebhardt, J.C.M., Roy, R., Suter, D., Zhao, Z., Chapman, A., Xie, X.S.*

11.30-11.50     **A potential new role in translation for the mitochondrial transcription termination factor 3**  
*Lagouge, M., Metodiev, M., Larsson, N-G.*

11.50-12.10     **How bats deal with mirror surfaces: Neuroethology of echo-acoustic distortions**  
*Siemers, B.M., Wiegand, L., Ulanovsky, N.*

12.10-14.00     *Lunch*

### Oral Session 4: (Chair: Susan Taylor)

14.00-14.20     **Processive movement of MreB-associated cell wall biosynthetic complexes in bacteria**  
*Domínguez-Escobar, J., Chastanet, A., Crevenna, A.H., Ah-Seng, Y., Barrett, M., Fromion, V., Vezenov, D., Wedlich-Söldner, R., Carballido-López, R.*

14.20-14.40     **In vivo two-photon photoconversion for fate mapping and single cell tracking**  
*Chitanova, T., Hampton, H.R., Tomura, M., Brink, R., Phan, T. G.*

14.40-15.00     **Time course of neural stem cell lineage commitment**  
*Rammensee, S., Schaffer, D.V., Kumar, S.*

15.00-17.00     **Poster session 2 (with refreshments)**

### Plenary Lecture (Chair: Ernst-Ludwig Winnacker)

17.00-18.00     **Reprogramming the genetic code**  
*Jason Chin, Laboratory of Molecular Biology, Cambridge, UK*

19.00             **Dinner at Santamargherita near Suseongmot Lake,**  
**hosted by the President of KIST**  
*(bus departs at 18:20 from the front entrance of EXCO)*

## Wednesday 4 July

### Oral Session 5 (Chair: Judith Armitage)

- 09:00-9:20     **Improved single-molecule speckle microscopy methods which enable lifetime measurement of various cellular actin structures**  
Yamashiro, S., Mizuno, H., Smith, M.B., Ryan, G.L., Vavylonis, D., *Watanabe, N.*
- 9:20-9:40     **To scale or not to scale: The case of Dpp**  
*Hamaratoglu, F.*, Morton de Lachapelle, A., Pyrowolakis, G., Bergmann, S., Affolter, M.
- 9:40-10:00     **Collective decision making in *Drosophila melanogaster***  
*Ramdaya, P.*, Floreano, D., Benton, R.
- 10:00-10:20     **Mechanisms of intertwined organogenesis during head formation**  
*Pohl, C.*,
- 10:20-10:40     **Towards the kinetics of co-translational protein folding**  
Mittelstaet, J., Buhr, F., Jha, S., Komar, A.A., Schwalbe, H., *Rodnina, M.V.*

10:40-11:10   *Coffee*

- 11.10-12.10     **Meet the staff of HFSP**

12:10-13:30     *Lunch*

### Oral Session 6 (Chair: Paul DeKoninck)

- 13.30-13:50     **Reconstructing the molecular networks that control cellular polarity**  
Bajpai, A., Chessel, A., Dodgson, J., Vaggi, F., Yamamoto, M., Carazo-Salas, R.E., *Csikasz-Nagy, A.*, Sato, M.
- 13:50-14:10     **Controlling nucleases that determine our genetic make-up**  
*Matos, J.*, Gonzalez-Blanco, M., West, S. C.
- 14:10-14:30     **Dynamics and propagation of heterochromatin in living cells**  
*Bell, O.*, Hathaway, N.A., Hodge, C., Miller, E.L., Neel, D.S. Crabtree, G.R
- 14:30-14:50     **Molecular characterization of marine rhythms**  
*Tessmar-Raible, K.*, Zantke, J., Kuegler, P., Oliveri, P., Fortunato, A.E., Falciatore, A., Ribera d'Alcala, M., Buia, M.C., Iacono, B., Zikihara, K., Ishikawa, T.
- 14.50-17.00     **Poster session 3 (with refreshments)**

### Plenary Lecture (Chair: Ernst-Ludwig Winnacker)

- 17.00-18.00     **Rotary motors, protein dynamics and bacterial behaviour**  
*Judith Armitage, University of Oxford, UK*

### Closing remarks

*Director of Global Cooperation Division, MEST, Park Jin-Seon*  
*HFSP Secretary General, Prof. Ernst-Ludwig Winnacker*

- 19.00             **Dinner at Daegu Hyanggyo Confucian Academy, hosted by Mayor of Daegu Metropolitan city (bus departs at 18:20 from the front entrance of EXCO)**