

# Program



## Sixth Awardees Annual Meeting

Paris, FRANCE, 2-5 July 2006

### Preliminary Program

#### Sunday 2 July

*Registration and reception are at the Meridian Hotel, Paris*

14:30-18:00 Registration

18:00-21:00 Welcome reception in the private rooms Rodin and Giacometti at the hotel

*Main Sessions (Institut Pasteur – The Conference Centre Auditorium)*

*Registration desk will be open Monday – Wednesday from 8.00 – 18.00*

#### Monday 3 July

8:45-9:05 **Opening remarks/Welcoming address**

##### **Oral Session 1 (Chair: Dan Kiehart)**

9:05-9:25 **The driving microtubule forces for cytokinesis checkpoint and early G1 cell spreading**

*Bornens, M., Théry M., Tinevez J.Y., Khodjakov A., Jimenez-Dameroni A, Jülicher F.*

9:25-9:45 **Examining the molecular basis for bipolar mitotic spindle formation**

*Kapoor, T.M., Schmidt, C.F., Kapitein, L.C., Kwok, B.H., Kim, J.H. Peterman, E.J.G.*

9:45-10:05 **Elucidating the structural basis of cell motility**

*Resch, G.P., Polzhofer, H., Goldie, K.N., Hoenger, A., Small, J.V.*

10:05-10:25 **Germ cells are required for female gonadal fate in zebrafish**

*Siegfried, K.S., Nüsslein-Volhard, C.*

10:25-10:45 **Kinetics of the Dpp morphogen gradient formation**

*Kicheva, A., Pantazis, P., González-Gaitán, M.*

10:45-11:15 *Coffee*

**Oral Session 2 (Chair: Paul Lasko)**

- 11:15-11:35 **Investigation of the changes in nuclear and chromatin organisation during mammalian X inactivation**  
*Heard, E., Belmont, A., Eils, R., Spector, D.*
- 11:35-11:55 **ARGONAUTE-1 accumulates locus specific long siRNA required for remodeling of condensed chromatin.**  
*Bhadra, U., Pushpavalli, S.N.C.L.V., Reddy, M., Pal-Bhadra, M.*
- 11:55-12:15 **Dynamics of double strand breaks and chromosome translocations in living cells**  
*Soutoglou, E., Misteli, T.*
- 12:15-12:35 **Nuclear accumulation of the phytochrome A photoreceptor requires FHY1.**  
*Hiltbrunner, A., Viczián, A., Bury, E., Tscheuschler, A., Kircher, S., Tóth, R., Honsberger, A., Nagy, F., Fankhauser, C., Schäfer, E.*
- 12:35-12:55 **Control of plant growth by phytochromes and the circadian clock.**  
*Maloof, J. N., Nozue, K., Duek, P., Lorrain, S., Wessinger, C. W., Harmer, S. L., Genick, U. K., and Fankhauser, C.*
- 12:55-14:30 *Lunch*
- 14:30-16:30 **Challenges in Interdisciplinary Research - introducing the new HFSP Journal.**  
**(Chair: Torsten Wiesel)**  
Presentations by Mark Bisby, Arturo Falaschi, Valerie Ferrier, Peter Seeberger, Dan Kiehart, John Hopfield.
- 17:00-18:00 **Plenary Lecture (Chair: Torsten Wiesel)**  
**Supramolecular Chemistry: From Design to Selection**  
*Jean-Marie Lehn*
- 18:00-20:00 Poster Session I with Cocktail "Wine & Cheese" at the Institut Pasteur

**Tuesday 4 July****Oral Session 3 (Chair: Lorne Babiuk)**

- 8:45-9:05 **Suppressor of hairless dependent and independent mechanisms of Notch signaling in epidermal stem cell.**  
*Blanpain, C., Lowry, W., Fuchs, E.*
- 9:05-9:25 **Cripto as a target for improving embryonic stem cell-based therapy in Parkinson's disease**  
*Parish, C.L., Parisi, S., Minchiotti, G., Arenas, E.*

9:25-9:45 **Microbes invade by changing the game: revisiting host-parasite interactions**

*Brown, S.P., Le Chat, L., De Paepe, M., Taddei, F.*

9:45-10:05 **Cyclic D,L- $\alpha$ -peptide nanotubes as potential therapeutic agents**

*Rahimipour, S., Motiei, L., Ghadiri, M. R.*

10:05-10:25 **Education and Calibration of Murine Natural Killer Cells**

*Johansson, S., Andersson, K., Williams, G., Salmon-Divon, M., Rosmaraki, E., Vanherberghen, B., Brodin, P., Vahlne, G., Mehr, R., Davis, D.M., Höglund, P.*

10:25-10:55 *Coffee*

**Oral Session 4 (Chair: Frances Brodsky)**

10:55-11:15 **Mechanism of protein targeting to a bacterial organelle : the magnetosome**

*Pradel, N., Santini, C.L., Wu, L.F., Bernadac, A., Fukumori, Y.*

11:15-11:35 **Keeping mitochondria in shape: a matter of life and death**

*Cipolat, S., Frezza, C., Martins de Brito, O., Alirol, V., Cereghetti, G.M., Dimmer, K.S., Bartoli, D., Costa, V., Scorrano, L.*

11:35-11:55 **Visualization of protein interactions and modifications in living cells using bimolecular fluorescence complementation analysis**

*Vincenz, C., Larsson, L-G. Kerppola, T. K.*

11:55-12:15 **AMPA receptor trafficking regulated by PSD-95-palmitoylating enzymes**

*Fukata, Y., Nicoll, R.A., Brecht, D.S., and Fukata, M.*

12:15-12:35 **Two photon cross-correlation spectroscopy: on the way to ultrasensitive in situ proteomics**

*Kim, S.A., Heinze, K.G., Bacia, K., Waxham, M.N., Schuille, P.*

12:35-14:00 *Lunch*

14:00-16:30 Poster Session II

17:00-18:00 **Open discussion with HFSP staff**

19:00 Departure for Dinner Cruise

**Wednesday 5 July**

**Oral Session 5 (Chair: Thomas Knöpfel)**

8:45-9:05 **Modelling the bio-mechanics of hearing at cellular and molecular levels**

*Steele, C.R., Puria, S., Wittbrodt, M.J., Yoon, Y.J., Boutet de Monvel, J.*

- 9:05-9:25 **Quantitative aspects of cone phototransduction**  
*Kawamura, S.*, Tachibanaki, S., Arinobu, D., Shimauchi-Matsukawa, Y., Tsushima, S., Takemoto, N.
- 9:25-9:45 **Anomalous diffusion in Purkinje cell dendrites caused by spines**  
 Santamaria, F., Wils, S., Augustine, G. J., *De Schutter, E.*
- 9:45-10:05 **EphB Receptor trafficking regulates dendrite morphogenesis**  
*Hoogenraad, C.C.*, Milstein, A.D., Sheng, M.
- 10:05-10:25 **Fear moves us but anger makes us think twice.**  
 Grezes, J., Pichon, S., van de Riet, W., *de Gelder, B.*

10:25-10:55 *Coffee*

**Oral Session 6 (Chair: Angela Gronenborn)**

- 10:55-11:15 **Cryo-Electron tomography of neuronal processes and synapses**  
 Lucic, V., Yang, T., *Baumeister, W.*
- 11:15-11:35 **Structure of the nuclear exosome component RRP6 reveals the basis for RNA specificity**  
 Midtgaard, S.M., Jonstrup, A.T., Sørensen, J., Jensen, T.H., *Brodersen, D. E.*
- 11:35-11:55 **CCT: a nanomachine for folding proteins**  
 Martín-Benito, J., Grantham, J., Boskovic, J., Carrascosa, J.L., Willison, K.R., *Valpuesta, J.M.*
- 11:55-12:15 **Structure determination of Mega-Dalton subcellular machine**  
 Murakami, K., Yumoto, F., Ohki, S., Yasunaga, T., Tanokura, M., & *Wakabayashi, T.*
- 12:15-12:35 **The structure and function of bacteriophage T4: how a virus infects its host**  
 Leiman, P.G., Fokine, A., Kanamaru, S., Kostyuchenko, V.A., Chipman, P.R., Shneider, M.M., Arisaka, F., Mesyanzhinov, V.V., *Rossmann, M.G.*

12:35-14:00 *Lunch*

14:00-16:30 Poster Session III

17:00-18:00 **Plenary Lecture (Chair: Torsten Wiesel)**  
**"Molecular, Cellular and Neuronal Circuit Mechanisms for Hippocampal Memory."**

*Susumu Tonegawa*

19:00 Departure for Farewell dinner (at the Senate)