

# INTERNATIONAL INAUGURAL SYMPOSIUM

October 13-14, 2008

*Developmental Biology  
and Genetics:  
Bridges to cancer*

**Génétique et Biologie  
du Développement :  
les fondamentaux du Cancer**

# Program



institut **Curie**  
Ensemble, prenons le cancer de vitesse.

# Monday, October 13, 2008

09.00 Welcome addresses by Profs **Claude Huriel**, President of the INSTITUT CURIE, **Spyros Artavanis-Tsakonas**, Director of the Department of Genetics and Developmental Biology and **Daniel Louvard**, Director of the Research Center

09.15 Prof. **Howard Green**, Honorary President of the Scientific Advisory Board of the Institut Curie, Harvard Medical School, Boston (USA)  
*"The Birth of Therapy with Cultured Cells"*

Prof. **Paul Nurse**, President of the Scientific Advisory Board of the Institut Curie, President of the Rockefeller University, New York (USA)  
*"Cell form in fission yeast"*

## 1<sup>st</sup> Session: Stem Cells

10.00 **Nicole Le Douarin**, Collège de France, Paris, Académie des Sciences, Paris  
*"Developmental relationships between the neural crest and the brain"*

10.35 **Elaine Fuchs**, Howard Hughes Medical Institute, The Rockefeller University, New York (USA)  
*"Skin development and stem cells"*

11.10 Coffee Break

11.30 **Jean-René Huynh**, Institut Curie, Paris  
*"The origin of polarity: from germline stem cells to body axis patterning in Drosophila and Zebrafish"*

11.55 **Allan Spradling**, Carnegie Institution of Washington, Baltimore (USA)  
*"Regulation of stem cell behavior by tissue Niches"*

12.30 Lunch

## 2<sup>nd</sup> Session: Gene Regulation and Epigenetics

14.00 **David Baltimore**, California Institute of Technology, Pasadena (USA)  
*"Control of inflammation by NF- $\kappa$ B and MicroRNAs"*

14.35 **Edith Heard**, Institut Curie, Paris  
*"Developmental and epigenetic Dynamics of X-Chromosome Inactivation in the Mouse"*

15.00 **Maria-Elena Torres-Padilla**, Institut Curie, Paris  
*"Role of chromatin structure and remodeling in the patterning of the early mouse embryo"*

15.25 Coffee Break

17.00 Official inauguration of the building

Tuesday, October 14, 2008

**3<sup>rd</sup> Session: Development and Evolution**

- 08.45 **Lewis Wolpert**, University College London, London (UK)  
*"Positional Information and Pattern Formation"*
- 09.20 **Walter Gehring**, University of Bale (Switzerland)  
*"The Evolution of Eyes and Vision"*
- 09.55 **Denis Duboule**, University Sciences III, Genève / EPFL Lausanne (Switzerland)  
*"Large-Scale Gene Regulation During Vertebrate Development and Evolution"*
- 10.30 Coffee Break

**4<sup>th</sup> Session: Morphogenesis and Oncogenesis**

- 10.50 **Joan S. Brugge**, Harvard Medical School, Boston (USA)  
*"Modeling Morphogenesis and Oncogenesis in 3 Dimensional Cultures"*
- 11.25 **Gerald M. Rubin**, Howard Hughes Medical Institute, Virginia (USA)  
*"Developing Tools for Neuroanatomy and Neurogenetics in Drosophila"*
- 12.00 **Yohanns Bellaïche**, Institut Curie, Paris  
*"Coordinating growth, morphogenesis and cellular organization of proliferating epithelial tissue"*
- 12.25 **Spyros Artavanis-Tsakonas**, Director of the Research Unit "Genetics and Developmental Biology", Professor at the College de France, Paris, Harvard Medical School, Boston (USA)  
*"Notch signaling, proliferation and oncogenesis"*
- 13.00 End of the meeting

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Collège de France  
Amphithéâtre Marguerite de Navarre  
11 place Marcelin Berthelot Paris 5<sup>e</sup>



Graphisme Dominique Hamot Photographies Jean-René Huynh/C, DR Fabrication tgraphite

Offerte à l'Institut Curie par le Collège de France sur proposition de Nicole Le Douarin, directrice de l'Institut d'Embryologie de Nogent sur Marne (1975-2000), cette mosaïque représentant un embryon de poulet a été réalisée en 1958 par Nelly Vandel, épouse du Pr Vandel de la Faculté des sciences de Toulouse, en hommage au Pr Etienne Wolff (1904-1996), fondateur de l'Institut d'Embryologie.

*This mosaic was proposed by Nicole Le Douarin, director of the Nogent sur Marne Embryology Institute (1975-2000) and was donated by the Collège de France.*

*It represents a chicken embryo and was made in 1958 by Nelly Vandel, spouse of Prof. Vandel from the Toulouse Science Faculty, in tribute to Prof. Etienne Wolff (1904-1996), founder of the Embryology Institute.*