

# EMBO/SEMM Workshop on Homeodomain Proteins, Hematopoietic Development And Leukemias

Astoria Park Hotel, Riva del Garda  
23<sup>rd</sup>/25<sup>th</sup> March 2006

## SCIENTIFIC PROGRAM

Last update: 15-03-2006

**MARCH 22, 2006**

*Afternoon*

h. 16.00/20.30 Registration and poster positioning

h. 20.30 *Welcome Dinner*

**MARCH 23, 2006**

*h. 09.00/13.10:  
Morning session*

**Homeodomain Proteins in Development: Other Species**

*Speakers:*

h. 09.00/09.40 **Richard S. Mann** (New York, USA)  
“Hox, Hth and Exd Functions in Fly Development”

h. 09.40/10.10 **Dale Frank** (Israel)  
“*Xenopus Meis3 Protein in Vertebrate Nervous System Development*”

h. 10.10/10.40 **Charles Sagerstrom** (Worcester, USA)  
“*Hox/TALE Regulated Pathways in Hindbrain Development*”

h. 10.40/11.10 *coffee break*

*Speakers:*

h. 11.10/11.40 **Francesco Argenton** (Padua, Italy)  
“*Subfunctionalization of Pknox Genes in Zebrafish*”

h. 11.40/12.10 **Bernard Peers** (Liege, Belgium)  
“*Role of Zebrafish Pbx and Meis Genes in the Patterning of Endoderm and in Pancreas Development*”

h. 12.30/14.00 *Lunch*

**MARCH 23, 2006**

*h. 14.40/20.10:  
Afternoon session*

**Homeodomain Proteins in Development: Mouse**

*Speakers:*

- h. 14.00/14.30 **Licia Selleri** (New York, USA)  
*“Pbx1/Pbx2 are Required for Vertebrate Distal Limb Patterning”*
- h. 14.30/15.10 **Stephen Tapscott** (Seattle, USA)  
*“The Role of Pbx in Skeletal Myogenesis”*
- h. 15.10/15.40 **Horst Simon** (Heidelberg, Germany)  
*“The Engrailed Transcription Factors and the Survival of Mesencephalic Dopaminergic Neurons”*
- h. 15.40/16.10 **Filippo Rijli** (Strasbourg, France)  
*“Hox Genes and the Development of Somatosensory Circuits in Mice”*
- h. 16.10/16.40 *Coffee break*

*Speakers:*

- h. 16.40/17.10 **Alain Trembleau** (Paris, France)  
*“Homeodomain Proteins as Regulators of Local Translation in Developing Sensory Systems”*
- h. 17.10/17.50 **Michael Cleary** (Stanford, USA)  
*“Pbx Mutant Mice Provide a Multi-Genic Model for Congenital Heart Disease”*
- h. 17.50/18.30 **Moises Mallo** (Lisbon, Portugal)  
*“Hox Genes and Signalling Pathways”*
- h. 18.30/18.50 **Dirk Geerts** (Amsterdam, Netherlands)  
*“The MEIS Signal Transduction Pathways in Neuroblastoma”*
- h. 18.50/19.30 **Claus Nerlov** (Monterotondo, Italy)  
*“C/EBPalpha in Development and Leukemia”*
- h. 20.00 *Dinner*
- h. 21.30/22.30 **Poster session I**

**MARCH 24, 2006**

*h. 09.00/13.00*  
*Morning Session*

**Homeodomain Proteins: Molecular Mechanisms**

*Speaker:*

- h. 09.00/09.40 **Mark Featherstone** (Montreal, Canada)  
*“PKA-Inducible Transactivation by the MEIS1A C-Terminus”*
- h. 9.40/10.20 **Miguel Torres** (Madrid, Spain)  
*“Homeodomain Proteins in Embryonic Hematopoiesis”*
- h. 10.20/10.40 **Andrea Brendolan** (New York, USA)  
*“A Pbx1-Dependent Genetic and Transcriptional Network Regulates Spleen Ontogeny”*
- h. 10.40/11.10 *Coffee break*
- h. 11.10/11.30 **Lisa Maves** (Washington, USA)  
*“Pbx Provides Competence to Activate Myogenesis in Response to Myod”*
- h. 11.30/11.50 **Elisabetta Ferretti** (New York, USA)  
*“Analysis of Skeletal Development in Pbx 1/2/3 Compound Mice”*
- h. 11.50/12.20 **Vincenzo Zappavigna** (Modena, Italy)  
*“Pbx1 and Emx2 Interact to Form the Scapular and Pelvic Regions of the Limb”*
- h. 12.30/14.00 *Lunch*

**MARCH 24, 2006**

*h. 14.30/20.00*  
*Afternoon Session*

**Homeodomain Proteins: Hematopoiesis**

*Speakers:*

- h. 14.00/14.40*    **Francesco Blasi** (Milan, Italy)  
*“Prep1 and Mouse Hematopoiesis”*
- h. 14.40/15.00*    **Pengbo Zhou** (New York, USA)  
*“Ubiquitin-Proteolytic Control of HOX Homeodomain Proteins”*
- h. 15.00/15.30*    **Andrew Waskiewicz** (Edmonton, Canada)  
*“Zebrafish PBX Genes Are Required for Primitive Hematopoiesis”*
- h. 15.30/16.00*    **Dmitri Penkov** (Moscow, Russia)  
*“Involvement of Prep1 in the T-Lymphocytic Potential of Hematopoietic Precursors”*
- h. 16.00/16.30*    *Coffee break*
- h. 16.30/17.00*    **Francesca Ficara** (Stanford, USA)  
*“The Pbx1 Proto-Oncogene and Homeodomain Transcription Factor Regulates Adult Hematopoiesis”*
- h. 17.00/17.40*    **Maria Cristina Magli** (Pisa, Italy)  
*“Otx Genes in Hematopoiesis”*
- h. 17.40/19.10*    **Poster session II**
- h. 20.30*    *Social Dinner*

**MARCH 25, 2006**

h. 09.00/13.00  
Morning Session

**Homeodomain Proteins and Malignant Transformation**

*Speakers:*

- h. 09.00/09.40 **Takuro Nakamura** (Tokyo, Japan)  
*“Hoxa9/Meis1 Cooperation and the Molecular Pathway in Leukemogenesis”*
- h. 09.40/10.10 **Alessandra Carè** (Rome, Italy)  
*“HOXB7: a Master Gene of Neoplastic Transformation”*
- h. 10.10/10.30 **Barbara Cauwelier** (Ghent, Belgium)  
*“The TCRB-HOXA Rearrangement in T-ALL Leads to a Specific Increase of the Alternative HOXA10b Transcript”*
- h. 10.30/11.00 *coffee break*

*Speakers:*

- h. 11.00/11.20 **Hannes Klump** (Hannover, Germany)  
*“HoxB4 Expression Levels Critically Determine the Competence of ES-CELL Derivates to Mediate Hematopoietic long-Term Repopulation, In Vivo”*
- h. 11.20/12.00 **Mark P. Kamps** (La Jolla, USA)  
*“Differentiation Arrest vs. Leukemogenesis-Distinctive Roles for Hoxa9 and Meis1”*
- h. 12.00/12.20 **Stefan Heinrichs** (Boston, USA)  
*“HoxB9 is Highly Expressed in Blast Cells in a Subset of Acute Myeloid Leukemia Patients and Supports Proliferation of AML Cell Lines”*
- h. 12.20/13.00 **Francesco Lo Coco** (Rome, Italy)  
*“Acute Promyelocytic Leukemia as a Model for Targeted Therapy of Human Malignancies”*
- h. 13.00/14.30 *Lunch*

**MARCH 25, 2006**

h. 14.30/19.30  
Afternoon Session

**Homeodomain Proteins and Malignant Transformation – Part II**

*Speakers:*

- h. 14.30/15.10 **Pier Giuseppe Pelicci** (Milan, Italy)  
*“P21 as a Target of Leukemia-Associated Fusion Proteins”*
- h. 15.10/15.50 **Margaret A. Goodell** (Houston, USA)  
*“HSC Mobilization”*
- h. 15.50/16.10 **Olaf Heidenreich** (Tubingen, Germany)  
*“RNA Interference, siRNA, Gene Expression Profiling, Acute Myeloid Leukaemia, AML1/MTG8”*
- h. 16.10/16.40 *Coffee break*
- h. 16.40/17.00 **Aseem Z. Ansari** (Madison, USA)  
*“Designing Chemical Mimics of Hox Proteins”*
- h. 17.00/17.40 **Myriam Alcalay** (Milan, Italy)  
*“Gene Expression Signature of Leukemic Stem Cells in Acute Myeloid Leukemia”*
- h. 17.40/18.40 **General Discussion**
- h. 20.00 *Goodbye Dinner*

**MARCH 26, 2005**

*In the morning departure of all participants*