EMBO/SEMM Workshop on
Homeodomain Proteins,
Hematopoietic Development
and Leukemias
23rd/25th March 2006

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

Astoria Park Hotel, Riva del Garda

23rd/25th 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 Pattering"

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-Lumphocytic 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*