MUGEN Transgenesis Course, April 10-13, 2006, Athens, Greece

Monday, April 10, 2006

Basic Principles of gene manipulation in the mouse

9.00 – 9.30	**Registration / Coffee**		
9.30 – 10.30	Overview: Transgenic systems in gene discovery and validation	*G. Kollias*	FLEMING
10.30 – 11.00	**Coffee Break**		
11.00 – 12.30	Principles of Mammalian Genetics and Development	*M. Alexiou*	FLEMING
12.30 – 13.30	Conditional Gene Targeting	*M. Schmidt-Supprian*	CBR
13.30 – 14.30	**Lunch Break**		
14.30 – 15.30	In Vivo Imaging	*D. Kioussis*	MRC
15.30 – 16.30	Novel Approaches to Transgene Design and Construction	*D. Graf*	FLEMING
16.30 – 17.30	New Perspectives in genome Engineering	*A. Economides*	REGENERON
19.00 – 19.30	**Dinner**		

Tuesday, April 11, 2006

Transgenic Systems for the Analysis of Immune Responses

9.00 – 10.00	Defining the basis of immunological disease through the analysis of genetic susceptibility	*K. Gelderman*	ULUND
10.00 - 11.00	Mouse models for analyzing antigen representation	*N. Garbi*	DKFZ
11.00 – 11.30	**Coffee Break**		
11.30 - 12.30	Analyzing the specificity of adaptive immune responses: Tolerance	*M. Van Den Broek*	EXPIMMZH
12.30 – 13.30	Analyzing signaling cascades: Lymphoid Receptors	*A. Kissenpfennig*	CNRS
13.30 – 14.30	**Lunch Break**		
14.30 – 15.30	Calcium dependent shaping of T cell activation	*F. Grassi*	IRB
15.30 – 16.00	**Coffee Break**		
16.00 – 17.00	Transgenic animal models for the analysis of intracellular signaling cascades	*M. Pasparakis*	EMBL
17.00 – 18.00	Analyzing Innate Immunity	*C. Garlanda*	HUMANITAS
19.00 – 19.30	**Dinner**		

Wednesday, April 12, 2006

Transgenic Systems for the Analysis of Immune Responses

9.00 – 10.00	Infections in mouse mutants deficient in cytokine / cytokine receptor genes	*W. Muller*	GBF
10.00 - 11.00	Schematic analysis of immune effector functions in infection and transplantation	*S. Beer*	UNI DUESS
11.00 – 11.30	**Coffee Break**		
11.30 - 12.30	Application of siRNA technologies to primary cells of the immune system as an alternative to generate transgenic animals	*A. Scheffold*	DRFZ
12.30 – 13.30	Two photon Imaging	*P. Bousso*	PASTEUR
13.30 – 14.30	**Lunch Break**		
14.30 - 15.30	Transgenic animal models for the analysis of immune gene expression	*D. Kontoyiannis*	FLEMING
15.30 – 16.00	**Coffee Break**		
16.00 – 17.00	Transgenic Animal Models in cancer research	*M. Nawijn*	NKI-AVL
17.00 - 18.00	Humanized Mice	*M. Manz*	IRB
18.30 – 19.30	**Dinner Reception at Fleming**		

Thursday, April 13, 2006

High Throughput Mutagenesis

9.00 – 10.00	Gene Traps	*V. Episkopou*	MRC
10.00 - 11.00	Random ENU Mutagenesis	*E. Douni*	FLEMING
11.00 – 11.30	**Coffee Break**		
Mouse Resources			
11.30 – 12.30	Resources for genetically engineered mice	*R. Matteoni*	EMMA
12.30 – 13.00	Closing Remarks	*G. Kollias*	FLEMING
13.00 – 14.00	**Buffet Lunch**		