

Program

Thursday May 12, 2011

09.00	Registration & welcome with coffee	
09.50-10.00	Opening <i>Sjef Verbeek</i>	10´
10.00-12.30	Session 1: Constructs and Genetic modification design <i>Chair: Sjef Verbeek</i>	
10.00	Francis Stewart (Technical University, Dresden) <i>Recombineering for systems biology and complex alleles</i>	45´
10.45	Rob Howes (Horizon Discovery Ltd, Cambridge, UK) <i>rAAV mediated gene targeting in human and animal cells</i>	45´
11.30	MFA: a novel method for the generation of "all-in-one" null and conditional alleles <i>Aris Economides (Regeneron Pharmaceuticals, Tarrytown, USA)</i>	20´
11.50	Generation of humanized mouse models by large genome modifications <i>Jost Seibler (Taconic Artemis, Cologne, Germany)</i>	20´
12.10	A Phi31 recombinase-based genomic docking site <i>Cor Breukel (LUMC, Leiden, The Netherlands)</i>	20´
12.30-14.30	Lunch + poster presentations + technology viewing	
14.30-16.00	Session 2: ES cell derivation and culturing <i>Chair: Els Robanus Maandag</i>	
14.30	Jennifer Nichols (Wellcome Trust Center, Cambridge UK) <i>Manipulating pathways to improve ES cell culture and derivation</i>	45´
15.15	Ivo Huijbers (NKI, Amsterdam) <i>Fast track production of complex tumor models starting from GEMM-derived embryonic stem cells</i>	45´
16.00-16.30	Coffee Break + technology viewing	
16.30-17.55	Session 3: Induced pluripotent stem cells <i>Chair: Paul Krimpenfort</i>	
16.30	Samer Hussein (Samuel Lunenfeld Research Inst., Toronto) <i>Genetic mosaicism and selection during reprogramming to pluripotency</i>	45´
17.15	The Rosa26-iPS mouse: a novel conditional, inducible and exchangeable mouse resource for studying cellular (de)differentiation <i>Lieven Haenebalcke (VIB, Ghent, Belgium)</i>	20´
17.35	Mouse pluripotent stem cell models of a human cardiac sodium channelopathy <i>Richard Davis (LUMC, Leiden, The Netherlands)</i>	20´
18.30	Dinner at Restaurant Luxor in Leiden http://www.restaurant-luxor.nl/ (Stationsweg 17; tel. +31 (0)71 - 514 9491)	

Friday May 13, 2011

09.00-12.00	Session 4: Nucleases <i>Chair: Jos Jonkers</i>	
09.00	Ralf Kühn (Helmholz Center Munich, Munich) <i>Targeted mutagenesis in mammalian zygotes using zinc-finger nucleases</i>	45´
09.45	Targeted transgene integration in mouse oocytes using "open source" zinc finger nucleases <i>Mario Hermann (University of Zürich, Switzerland)</i>	20´
10.05-10.30	Coffee Break + technology viewing	
10.30	Guillermo Montoya (CNIO, Madrid Spain) <i>Molecular scissors for in situ cellular repair</i>	45´
11.15	Tomas Cermak (University of Minnesota, Minneapolis) <i>Engineered TAL effector nucleases: new tools for genome editing</i>	45´
12.00-13.30	Lunch + poster presentations + technology viewing	
13.30-14.10	Session 5: miRNA <i>Chair: Werner Müller</i>	
13.30	Polymerase II controlled miRNA expression leads to functional knockdown of gene activities in transgenic rats <i>Kai Schönig (Mannheim, Germany)</i>	20´
14.10	Understanding the function of miRNA in vivo <i>Jost Seibler (Taconic Artemis, Cologne, Germany)</i>	20´
14.30-16.00	Session 6: Applications/Models <i>Chair: Marian van Roon</i>	
14.30	Generation and phenotypic analysis of murine beta defensin 14 knockout mice <i>Werner Müller (University of Manchester, UK)</i>	20´
14.50	PTEN deletion in adult dopaminergic neurons is neuroprotective in Parkinson's disease models <i>Andrii Domanskyi (DKFZ, Heidelberg, Germany)</i>	20´
15.10	<i>In vivo</i> molecular imaging of neuroblastoma progression by small-animal pet in TH-MYCN murine transgenic model <i>Erica Cantelli, University of Bologna, Italy</i>	20´
15.10-15.30	Coffee Break + technology viewing	
15.30-16.10	Session 7: Resources <i>Chair: Hein te Riele (NKI, Amsterdam, the Netherlands)</i>	
15.30	Managing major data of genetically modified mice <i>Johannes Schenkel (DKFZ, Heidelberg, Germany)</i>	20´
15.50	Generation of Cre-ER ^{T2} transgenic mouse lines for time and cell specific conditional gene inactivation <i>MC Birling (ICS and IGBMC, Illkirch, France)</i>	20´
16.00-16.50	Forum discussion <i>Moderator: Hein te Riele</i>	50´
16.50	Closing remarks <i>Sjef Verbeek</i>	10´