

Program

Thursday June 13, 2013

09.00	Registration & welcome with coffee	
09.55-10.00	Opening <i>Sjef Verbeek</i>	5'
10.00-11.45	Session 1: Stem cell technology <i>Chair: Paul Krimpenfort</i>	
10.00	Anton Wutz (Inst. Mol. Health Sciences, Zürich, Switzerland) <i>The Biology of haploid mouse embryonic stem cells and their application for genetic screening</i>	45'
10.45	Paul Krimpenfort (Netherlands Cancer Inst., Amsterdam, NL) <i>Fast track production of complex tumor models starting from GEMM-derived embryonic stem cells: an update</i>	30'
11.15	K. de Mulder (Ghent University, B) <i>Generation of inducible ERT2 overexpression hESC lines for the study of early hematopoiesis</i>	10'
11.25	T.P. Pieters (VIB-UGENT, Zwijnaarde, Belgium) <i>Using RMCE technology to dissect the role of p120 catenin in mouse ES cells</i>	10'
11.35	M. van Miltenburg (NKI, Amsterdam, NL) <i>Fast-track production of genetically engineered mouse models of breast cancer using a female GEMM-ESC approach</i>	10'
11.45-14.00	Lunch + poster presentations + exhibition	
14.00-17.35	Session 2: Genome engineering I: Nucleases <i>Chair: Sjef Verbeek</i>	
14.00	Dietmar Kappes (Fox Chase Cancer Center, Philadelphia, USA) <i>In vivo dissection of transcriptional control elements by ZNF-mediated gene targeting</i>	45'
14.45	Haoyi Wang (Whitehead Institute and Dept. of Biology, MIT, Cambridge, MA, USA) <i>Genome engineering of hES cells and mice using site-specific nucleases</i>	45'
15.30-16.00	Coffee Break + exhibition	
16.00	Keith Joung (Harvard Medical School, Charlestown, MA, USA) <i>Targeted genome editing using TALENs and CRISPR RNA-guided nucleases</i>	45'
16.45	R.K. Kuehn (Helmholtz Center Munich, Germany) <i>Generation of mouse disease models by embryo microinjection of Talens and oligodeoxyribonucleotides</i>	20'
17.05	D.S. Seruggia (CNB-CSIC, Madrid, Spain) <i>Targeted chromosomal deletion of non-coding regulatory elements with TALENs</i>	10'
17.15	P.K. Kasperek (Prague, Czech Republic) <i>Generation of Kik5/Kik7 deficient mice using TALEN technology</i>	10'
17.25	M. Veltrop (LUMC, Leiden, Netherlands) <i>Generation of new mouse models to study Duchenne Muscular Dystrophy</i>	10'
18.30	Drinks and snacks Dinner at Restaurant Luxor in Leiden http://www.restaurant-luxor.nl/ (Stationsweg 17; tel. +31 (0)71 - 514 9491)	

Friday June 14, 2013

09.00-10.35	Session 3: Genome engineering II <i>Chair: Hein te Riele</i>	
09.00	Ben Davies (University of Oxford, Oxford, UK) <i>New integrases for genome engineering</i>	45'
09.45	Hein te Riele (Netherlands Cancer Institute, Amsterdam, NL) <i>Oligonucleotide-directed gene targeting: evading mismatch repair</i>	30'
10.15	W.A. Kues (Friedrich-Loeffler-Institute, Neustadt, Germany) <i>Sleeping Beauty Transposon-mediated genetic engineering in the pig genome - establishment of a skin transplantation model</i>	10'
10.25	O.B. Baker (Biotec, Dresden, Germany) <i>Vika/vox, a novel recombinase system for mammalian systems</i>	10'
10.35-11.00	Coffee Break + exhibition	
11.00-12.30	Session 4: Resources <i>Chair: Els Robanus-Maandag</i>	
11.00	Barry Rosen (Wellcome Trust Sanger Institute, Hinxton, UK) <i>Getting the most out of IKMC targeted mutant mouse resources</i>	45'
11.45	Marie-Christine Birling (ICS and IGBMC, Illkirch, France) <i>The use of Cre and CreERT2 system in genetically modified mouse models</i>	45'
12.30-13.30	Lunch + poster presentations + exhibition	
13.30-15.00	Session 5: Phenotyping <i>Chair: Jos Jonkers</i>	
13.30	Kevin Brindle (University of Cambridge, Cambridge, UK) <i>Novel methods for imaging the tumour microenvironment and detecting treatment response</i>	45'
14.15	Matthijs Verhage (VU University, Amsterdam, the Netherlands) <i>Automated phenotyping of complex traits in mice</i>	45'
15.00-15.30	Coffee Break + exhibition	
15.30-16.10	Session 6: Applications/models <i>Chair: Marian van Roon</i>	
15.30	S. Rottenberg (NKI, Amsterdam, Netherlands) <i>Modeling radiotherapy escape using BRCA1/2-deficient mouse mammary tumors and image-guided radiotherapy</i>	10'
15.40	F.T.W. Wunderlich (MPI neurological research, Cologne, Germany) <i>Employing the Dre/rox system for in vivo transgenesis in the mouse liver</i>	10'
15.50	Lars Wittler (Max Planck Institute, Berlin, Germany) <i>In-vivo knockdown of Brachyury results in skeletal defects and urorectal malformations resembling caudal regression syndrome</i>	10'
16.00	D.W. Wirth (Helmholtz Centre for Infection Research, Braunschweig, Germany) <i>A Dox controlled transgenic HCV mouse model to investigate virus host interactions</i>	10'
16.10-16.40	Forum discussion <i>Moderator: Hein te Riele</i>	30'
16.40	Closing remarks <i>Sjef Verbeek</i>	5'