

Oral Presentations-The 18th International Workshop on Genetic Systems in the Rat-

oral No.	Family Name	First Name	Affiliation	date	time	Category	Title	session	Chair1	Chair2
O-1	Serikawa	Tadao	Kyoto University	30-Nov	16:00-16:30	Invited	In pursuit of the Holstein rat	Welcome	Kuramoto,T	Voigt,B
O-2	Hedrich	Hans	Hannover Medical School	30-Nov	16:30-17:00	Invited	History of the rat workshop and contribution of laboratory rats in biomedical science			
O-3	Nakao	Kazuwa	Kyoto University	30-Nov	17:00-17:30	Invited	Translational Research and Animal Models			
O-4	Aitman	Timothy	MRC Clinical Sciences Centre / Imperial College London	1-Dec	10:00-10:30	Invited	Towards a complete molecular description of the spontaneously hypertensive rat	Disease Model-1	Serikawa,T	Hubner,N
O-5	Jacob	Howard	Medical College of Wiscon	1-Dec	10:30-11:00	Invited	Validation of SORCS1 as a gene responsible for renal failure in rat and human.			
O-6	Kwitek	Anne	University of Iowa	1-Dec	11:00-11:15		Transcriptional regulation related to dyslipidemia in the LH rat using a combined RNA-sequencing and array-based approach			
O-7	Falak	Samreen	Max-Delbruck-Centre	1-Dec	11:15-11:30		Identification of candidate genes for arterial interial elastic lamina lesions in the rat	Disease Model-2	Nabika,T	Aitman,T
O-8	Hubner	Robert	Max-Delbrück-Center for Molecular Medicine	1-Dec	12:00-12:30	Invited	Conserved genetic regulation of co-expression networks in the rat and humans and its implication for common human disease			
O-9	Pravenec	Michal	Institute of Physiology, Academy of Sciences of the Czech Republic	1-Dec	12:30-12:45		Amino acid substitutions in the mt-Nd2, mt-Nd4, and mt-Nd5 genes are linked to reduced OXPHOS protein content and enzyme activities and to insulin resistance in skeletal muscle of SHR-mtLEW complastic versus SHR strains			
O-10	Lazar	Jozef	Medical College of Wisconsin	1-Dec	12:45-13:00		Influence of diet and mitochondrial genome on mitochondrial proteome in diabetic heart	Genome	Mori,M	Jacob,H
O-11	Cuppen	Edwin	Hubrecht Institute and University Medical Center Utrecht	1-Dec	14:00-14:30	Invited	Towards complete inventories of genetic variation in rat inbred strains			
O-12	Worley	Kim	Baylor College of Medicine	1-Dec	14:30-14:45		The reference genome for the rat			
O-13	Kaisaki	Pamela	Oxford University	1-Dec	14:45-15:00		Whole genome sequencing identifies naturally-occurring polymorphisms in the Goto-Kakizaki (GK) rat model of spontaneous type 2 diabetes			
O-14	Spyrou	Christiana	MRC Clinical Sciences Centre, Imperial College	1-Dec	15:00-15:15		Modeling alternative splicing in the hypertensive rat using RNA sequencing			
O-15	Guryev	Victor	Hubrecht Institute, UMC	1-Dec	15:15-15:30		Quantitative and qualitative difference in transcriptomes of Brown Norway and Spontaneously Hypertensive Rats.	Transcriptome Network	Ushijima,T	Cuppen,E
O-16	Hayashizaki	Yoshihide	RIKEN Omics Science Center	1-Dec	16:00-16:30	Invited	Availability of data-driven analysis on transcriptome and its regulatory network based on next generation sequencers			
O-17	Petretto	Enrico	Imperial College London	1-Dec	16:30-16:45		A conserved trans-acting locus regulates an anti-viral expression network and type 1 diabetes risk			
O-18	Langley	Sarah	Imperial College London	1-Dec	17:00-17:15		Investigating primary and secondary regulatory mechanisms for hypertension using genome-wide gene expression in multiple tissues and radiotelemetric blood pressure in the rat	Disease Model-3	Matsumoto,K	Pravenec,M
O-19	Hattori	Naoko	National Cancer Center Research Institute	1-Dec	17:15-17:30		Identification of five genes with promoter methylation in rat mammary carcinomas by a combination of DNA methylation microarray and expression microarray			
O-20	Mullins	John	Queens Medical Research Institute, University of Edinburgh	2-Dec	9:30-10:00	Invited	Exploiting the Inducible Hypertensive Rat (IHR) to investigate organ damage and renal function.			
O-21	Behmoaras	Jacques	Imperial College	2-Dec	10:00-10:15		Genetically determined regulation of the P2X7 receptor-inflammasome pathway in macrophages of glomerulonephritis-susceptible rat strains	Disease Model-3	Matsumoto,K	Pravenec,M
O-22	Nabika	Toru	Shimane University	2-Dec	10:15-10:30		Synergic effect of two QTLs on chromosome 1 and 18 accounts for the difference of stroke-susceptibility between SHR and SHRSP; A study on a double-congenic strain			
O-23	Asahina	Makoto	Takeda Pharmaceutical Company	2-Dec	10:30-10:45		Hypercholesterolemia and atherosclerosis in low density lipoprotein receptor mutant rats			

oral No.	Family Name	First Name	Affiliation	date	time	Category	Title	session	Chair1	Chair2
O-24	Kitada	Kazuhiro	Hokkaido University	2-Dec	10:45-11:00		A Netrin4-insertional mutation generated by sleeping beauty transposon causes an anomaly of thalamocortical axon branching in the rat.	Disease Model-3	Matsumoto,K	Pravenec,M
O-25	Kobayashi	Toshihiro	JST/Institute of Medical Science Univ.	2-Dec	11:30-11:45		Generation of rat pancreas in mouse by interspecific blastocyst complementation using pluripotent stem cells	Stem cells	Kashiwazaki,N	Mullins,J
O-26	Iannaccone	Philip	Northwestern University/Children's Memorial Research Center	2-Dec	11:45-12:00		The three dimensional visualization of mosaic patches in rat chimeras, an approach for understanding the rules of cell assortment in corneal epithelial development			
O-27	Saunders	Thom	University of Michigan	2-Dec	12:00-12:15		de novo Derivation of Rat Embryonic Stem Cell Lines			
O-28	Kawamata	Masaki	National Cancer Center Research Institute	2-Dec	12:15-12:30		Generation of knockout/knockin rats from embryonic stem cells			
O-29	Northrup	Emily	Hannover Medical School, Germany	2-Dec	12:30-12:45		Loss of Dnd1 facilitates the cultivation of genital ridge-derived rat embryonic germ cells			
O-30	Chuykin	Ilya	Max-Dekbruck Center for Molecular Medicine	2-Dec	12:45-13:00		Characterization of transgenic STRA8-GFP rat as a new model to study spermatogenesis.			
O-31	Geurts	Aron	Medical College of Wisconsin	2-Dec	14:00-14:30	Invited	High throughput engineering of the rat genome using zinc-finger nucleases	Manipulating the genome	Ueda,M	Kwitek,A
O-32	Cui	Xiaoxia	Sigma Advanced Genetic Engineering (SAGE) Labs	2-Dec	14:30-15:00	Invited	Genetic engineering of the rat genome using zinc-finger nucleases			
O-33	Mashimo	Tomoji	Kyoto University	2-Dec	15:00-15:15		SCID rats: targeted disruption of the DNA-PKcs gene via zinc finger nucleases			
O-34	Moreno Quinn	Carol	Medical College of Wisconsin	2-Dec	15:15-15:30		Characterization of the renin knockout rat			
O-35	Albert	Frank	Max Planck Institute for Evolutionary Anthropology	2-Dec	16:00-16:15		Towards a genetic understanding of tameness in a rat model of animal domestication	Behavior Neurosciences	Kitada,K	Gauguier,D
O-36	Kuramoto	Takashi	Kyoto University	2-Dec	16:15-16:30		Genetic components of a rat model of essential tremor			
O-37	Sinha	Debasish	The Johns Hopkins University School of Medicine	2-Dec	16:30-16:45		Rat spontaneous mutations affecting glial cells of the optic nerve			
O-38	Ishida	Saeko	Kyoto University	2-Dec	16:45-17:00		Kyoto Epileptic Rat (KER): A novel rat model of kcna1 disease			
O-39	Shull	James	University of Wisconsin-Madison	3-Dec	9:30-10:00	Invited	Genetic Control of Estrogen Action in the Rat Mammary and Pituitary Glands	Cancer	Fukushima,S	Shull,J
O-40	Nakagama	Hitoshi	National Cancer Center,	3-Dec	10:00-10:30	Invited	Genetic analysis identified a candidate locus on chromosome 16 for the susceptibility to the induction of colon cancer in rats by a food- borne carcinogen, PhIP			
O-41	Amos-Landgra	James	University of Wisconsin, Madison	3-Dec	10:30-10:45		Gender susceptibility to colorectal cancer modeled in the PIRC rat			
O-42	Yoshimi	Kazuto	Kyoto University	3-Dec	10:45-11:00		Enhanced colonic inflammation in an Apc-mutant rat strain that lacks carboxyl terminal domains			
O-43	Gould	Michael	University of Wisconsin, Madison	3-Dec	11:30-11:45		Cancer risk loci localized in gene deserts	Cancer Resources	Yoshiki,A	Critser,J
O-44	Akatsuka	Shinya	Nagoya University	3-Dec	11:45-12:00		Ferric nitritoacetate-induced rat renal cancer exhibits extensive chromosomal instability			
O-45	Bauer	Beth	University of Missouri	3-Dec	12:00-12:15		Rat Resource and Research Center (RRRC):2010 Update			
O-46	Ostertag	Eric	Transposagen Biopharmaceuticals Inc.	3-Dec	12:15-12:30		Efficient genetic modification of the rat germ line via piggyBac transduction in stem cells			
O-47	Kobayashi	Eiji	Jichi Medical University	3-Dec	12:30-12:45		Engineered Rats for Transplantation /Regenerative Medical Research			
O-48	Shimoyama	Mary	Medical College of Wisconsin	3-Dec	12:45-13:00		PhenoMiner: Integrating phenotype measurement values for multiple strains			