

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

poster No.	Family Name	First Name	Affiliation	Title	Category
P-1	Kuramoto	Takashi	Kyoto University	Yoso-tama-no-kakehashi; the first Japanese guidebook on raising rat	History
P-2	Mullins	Linda	Queen's Medical Research Institute University of Edinburgh	Gene targeting in Rat ES cells	ES
P-3	Zschemisch	Nils-Holger	Hannover Medical School,Germany	Cultivation and characterization of embryonic stem cells from WKY/Ztm rats	ES
P-4	Yang	Sheng	Human and Molecular Genetic center	Establishment of disease-special rat embryonic stem cells using an efficient method for isolation of inner cell masses	ES
P-5	Popova	Elena	Max Delbrück Center for Molecular Medicine	Establishment of embryonic stem cells from embryos of GFP-transgenic rats	ES
P-6	Men	Hongsheng	University of Missouri-Columbia	Development of new rat ES and iPS cell lines from outbred and inbred strains	ES & iPS
P-7	Voigt	Birger	Kyoto University	Generation, maintenance and characterization of rat ES and iPS cells	ES & iPS
P-8	Alenina	Natalia	MDC	Derivation of iPS cells from rat embryonic fibroblasts.	iPS
P-9	Okano	Motoki	Osaka University of Pharmaceutical Sciences	Analysis of forebrain Fos expression in SHRSP/Izm, a new rat model of attention deficit/hyperactivity disorder (ADHD)	model/ADHD
P-10	Ohta	Ryo	Food and Drug Safety Center	Stress reactive strain (High-avoidance rats) had shorter life-span than did non-reactive strain (Low-avoidance rats)	model/behavior
P-11	Okada	Kana	Fukushima Medical University	Behavioral assessment of the deficiency in striatal cholinergic interneurons in transgenic rats	model/behavior
P-12	Silhavy	Jan	Institute of Physiology, Czech Academy of Sciences	Searching for quantitative trait loci for hippocampus-dependent spatial learning and memory in the HXB/BXH set of RI strains	model/behavior
P-13	Pitzoi	Silvia	MRC, Clinical Sciences Centre	Genetic influences underlying impulsivity and risk of drug addiction	model/behavior
P-14	Xiao	Bing	Shimane University School of Medicine	Effect of a 1.8-Mbp genomic fragment on chromosome 1 on sympathetic response to stressors: Evaluation in reciprocal congenic strains between SHRSP and WKY	model/behavior

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P-15	Yanagawa	Yuchio	Gunma University Graduate School of Medicine	Electrophysiological properties of inhibitory neurons in prepositus hypoglossi nucleus in the vesicular GABA transporter (VGAT)-Venus transgenic rats	model/neurology
P-16	Imaoku	Takuji	Osaka University of Pharmaceutical Sciences	Behavioral and pharmacological studies in tremor rats, a novel rat model of human essential tremor	model/tremor
P-17	Harada	Yuya	Osaka University of Pharmaceutical Sciences	Immunohistochemical studies in Noda epileptic rat (NER): Exploring the seizure foci by brain mapping of c-Fos protein expression	model/epilepsy
P-18	Ohno	Yukihiro	Osaka University of Pharmaceutical Sciences	Pharmacological analysis of the hyperthermia-induced seizure-susceptible (Hiss) rats, a novel rat model of febrile seizure	model/epilepsy
P-19	Mori	Masayuki	Shinshu University	Specific combination of mutant lanosterol synthase (Lss) and polymorphic farnesyl diphosphate farnesyl transferase 1 (Fdft1) alleles causes cholesterol deficiency-associated cataract in Shumiya cataract rat	model/cataract
P-20	Mlejnek	Petr	Institute of Physiology, Czech Academy of Sciences	Age-related autocrine diabetogenic effects of transgenic resistin in spontaneously hypertensive rats: gene expression profile analysis	model/SHR
P-21	Silhavy	Jan	Institute of Physiology, Czech Academy of Sciences	Cd36 overexpression predisposes to arrhythmias but reduces infarct size in the spontaneously hypertensive rat: Expression network analysis	model/SHR
P-22	Yasui	Naomi	Mukogwa Women's University	Satiety hormones in SHR/NDmcr-cp rats lacking a functional leptin receptor	model/SHR
P-23	Aizawa-Abe	Megumi	Kyoto University Hospital	Generation of a genetically obese leptin deficient rat	model/metabolic
P-24	Tanaka	Yasutake	Kyushu University	Analysis of female-specific gene for responsiveness to dietary cholesterol in rats.	model/metabolic
P-25	Zidek	Vaclav	Institute of Physiology, Czech Academy of Sciences	Genetic variation in renal expression of folate receptor 1 (Folr1) as a risk factor for components of the metabolic syndrome	model/metabolic
P-26	Shinohara	Masami	CLEA Japan, Inc	The SDT rat: a new animal model of non-obese type 2 diabetes with diabetic complications	model/diabetes
P-27	Yokoi	Norihide	Kobe University Graduate School of Medicine	Genetics of the KDP rat: Major and modifier genes for autoimmune type 1 diabetes	model/diabetes

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P-28	Wedekind	Dirk	Hannover Medical School	Metabolic alterations within the pancreas of diabetic LEW.1AR1-iddm rats can be shown in vivo and in vitro by proton MR spectroscopy	model/diabetes
P-29	Matsumoto	Kiyoshi	Shinshu University	BN.MES-Cybames congenic rats manifest focal necrosis with eosinophilic infiltration in the liver without blood eosinophilia	model/eosinophilia
P-30	Mori	Masayuki	Shinshu University	A loss-of-function mutation of the gene for cytochrome b(-245), alpha polypeptide (Cyba) causes a wide spectrum of abnormal phenotypes by compromising NADPH oxidases in the MES rat	model/eosinophilia
P-31	Hiai	Hiroshi	Kyoto University	Characterization of resistance gene to chemical hepatocarcinogenesis in the DRH Rat	model/liver cancer
P-32	Tsuda	Hiroyuki	Nagoya City University	An animal model of preclinical diagnosis of pancreatic ductal carcinomas and its application to the assay of chemotherapeutic agents	model/pancreatic cancer
P-33	Toyokuni	Shinya	Nagoya University Graduate School of Medicine	Rat models of iron-induced carcinogenesis	model/iron cancer
P-34	Ochiai	Masako	National Cancer Center Research Institute	Induction of distinct microRNAs by carcinogenic heterocyclic amines and its significance in early stages of colon carcinogenesis	model/colon cancer
P-35	Tanaka	Takuji	Director	Dietary morin uppresses colitis-associated rat colorectal carcinogenesis.	model/colon cancer
P-36	Asamoto	Makoto	Nagoya City University	Prevention effects of prostate cancer by chemical treatments in the transgenic rat model.	model/prostate cancer
P-37	Yamashita	Satoshi	National Cancer Center Research Institute	Testosterone overdose induces aberrant DNA methylation in the rat prostate.	model/prostate
P-38	Serikawa	Tadao	Kyoto University	NBRP-Rat: the worldwide rat resource center	Resource
P-39	Takizawa	Akiko	Kyoto University	KURMA 10K : an ENU-induced mutant archive for gene-targeting in rats	Resource
P-40	Ostertag	Eric	Transposagen Biopharmaceuticals Inc.	The knock out rat consortium (KORC)	Resource
P-41	Krentz	Kathy	University of Wisconsin	Preserving and enhancing the breeding of valuable rat strains	Reproduction
P-42	Ito	Junya	Azabu University	In vitro fertilization from cryopreserved epididymal and ejaculated rat spermatozoa	Reproduction

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P-43	Yamashita	Yuki	Azabu University	Successful production of offspring using cryopreserved sperm via nonsurgical artificial insemination in rats	Reproduction
P-44	Furukawa	Koji	Azabu University	Effect of raffinose concentration on sperm cryopreservation in rats	Reproduction
P-45	Kaneko	Takehito	Kyoto University	Long term preservation of rat sperm by freeze-drying	Reproduction
P-46	Grzybowski	Mike	Medical College of Wisconsin	Enabling functional genetic analysis in rat models through transgenic engineering	transgenesis
P-47	Shiota	Akira	PhoenixBio Co.	Retinopathy induced in rats by BAC transgenics of a human derived rhodopsin gene mutant.	transgenesis
P-48	Schilling	Rebecca	Medical College of Wisconsin	GO team go! – 'Grand opportunity' for teamwork: Progress on zinc-finger nuclease-mediated gene disruption in the rat	ZFN
P-49	Smith	Jennifer	Medical College of Wisconsin	The rat genome database: Resources for genomics research	database
P-50	Dwinell	Melinda	Medical College of Wisconsin	Phenotypes and models at the rat genome database: meet JOE rat and his family	database
P-51	Munzenmaier	Diane	Medical College of Wisconsin	RGD's new physiological pathway diagrams: Linking biological systems to the genome	database
P-52	Kwitek	Anne	University of Iowa	Virtual comparative mapping tool (VCMaP) 2.0: A comparative genomics tool	database
P-53	Plessy	Charles	RIKEN Yokohama Institute	The landscape of transcription initiation in the rat	transcriptome
P-54	Maatz	Henrike	Max-Delbrueck Senter Berlin	Identification of RBM20 splicing factor binding sites across the transcriptome using PAR-CLIP to gain insights into the pathophysiology of a naturally occurring RBM 20 knockout rat model	transcriptome
P-55	Chongbei	Zhao	University of Missouri-Columbia	Rat embryonic stem cells contribute to developing mouse embryos to produce rat-mouse interspecies chimeras	ES