



Program

The 3rd RIKEN BRC/NANJING UNIVERSITY MARC International Summer Intensive Course of the Mouse 2014

Day1 (July 28, Moriwaki Hall, BRC, Main Build.)

9:00 — 10:00 (60)	Registration	
10:00 — 10:10 (10)	Opening	Opening Remarks. <i>Y Obata, Ph.D., Director, BRC</i>
10:10 — 10:50 (40)	Lecture 1	History of Mouse Genetics. <i>X Gao, Ph.D., Professor, MARC</i>
10:50 — 11:30 (40)	Lecture 2	Technology development for analyses of mammalian epigenome. <i>K Abe, Ph.D., Team Reader, BRC</i>
11:30 — 12:30 (60)	Keynote Lecture 1	Do mice suffer from depression? <i>T Kasahara, Ph.D., Deputy Laboratory Head, BSI</i>
12:30 — 13:30 (60)	Lunch	(Your own)
13:30 — 14:10 (40)	Lecture 3	Mouse resources for conditional genetic manipulation. <i>A Yoshiki, Ph.D., Head, BRC</i>
14:10 — 14:50 (40)	Lecture 4	Piggybac insertional mutagenesis in mice. <i>X Wu, Ph.D., Professor, Fudan University</i>
14:50 — 15:20 (30)	Break	(Group Photo 1)
15:20 — 16:00 (40)	Lecture 5	Genome Editing. <i>X Gao, Ph.D., Professor, MARC</i>
16:00 — 16:30 (30)	Special Lecture	How to make boys/girls at organ level; A unique research or a good model system for mouse organogenesis? <i>G Yamada, Ph.D., Professor, WMU</i>
16:30 — 17:30 (60)	Keynote Lecture 2	Origin of genetic diversity in the laboratory mouse strains. <i>T Shiroishi, Ph.D., Professor, NIG</i>
17:30 — 18:10 (40)	Lecture 6	Genomics and mutagenesis for bioresource development. <i>Y Gondo, Ph.D., Team Reader, BRC</i>
18:10 — 20:40		Dinner/Open discussion (Group Photo 2)

Day2 (July 29, Moriwaki Hall, BRC Main Build.)

9:00 — 9:40 (40)	Lecture 7	From strategy to Action: Congenital heart defects and cardiomyopathy. <i>Z Yang, Ph.D., Professor, MARC</i>
9:40 — 10:20 (40)	Lecture 8	Mouse models of the metabolic. <i>S Chen, Ph.D., Professor, MARC</i>
10:20 — 10:40 (20)	Break	
10:40 — 11:40 (60)	Keynote Lecture 3	Genetic dissection of synaptic molecules in mice. <i>S Itohara, D.V.M., Ph.D., Laboratory Head, BSI</i>
11:40 — 12:20 (40)	Lecture 9	Genetic basis of circadian clock. <i>Y Xu, Ph.D., Professor, MARC</i>
12:20 — 13:20 (60)	Lunch	(Your own)
13:20 — 14:00 (40)	Lecture 10	Informational technologies for data sharing in biology. <i>H Masuya, Ph.D., Unit Reader, BRC</i>
14:00 — 14:40 (40)	Lecture 11	Abnormalities associated with somatic cell nuclear transfer (SCNT) in mice. <i>A Ogura, D.V.M., Ph.D., Head, BRC</i>
14:40 — 15:00 (20)	Break	
15:00 — 15:40 (40)	Lecture 12	Trends in standardization of mouse phenotyping and introduction of the Japan Mouse Clinic. <i>S Wakana, Ph.D., Team Leader, BRC</i>
15:40 — 16:20 (40)	Lecture 13	Mouse colony management. <i>J Zhao, Ph.D., Associate Professor, MARC</i>
16:20 — 17:00 (40)	Lecture 14	Introduction of cell bank work in RIKEN BRC. <i>Y Nakamura, MD., Ph.D., Head, BRC</i>
17:00 — 17:20 (20)		Questionnaires to students.
17:20 — 17:30 (10)		Closing Remarks. <i>X Gao, Ph.D., Professor, MARC</i>
17:30 — 20:40		Dinner/Open discussion. (Presentation of Diploma) <i>All lecturers and students</i>

Day3 (July 30)

The Gathering Place	To be announced during Dr Wakana's lecture on Day 2	In front of the Moriwaki Hall	Room 103+105, the BioResource Main Building 1F	In front of the BioResource Building for Cell Research	In front of the Moriwaki Hall
	9:00	10:00	11:00	12:00	
	A: SHIRPA 3hr Training	B: EMBRYO 2hr Demonstration	C: INFORMATICS 2hr Training	D: Cell Bank 1hr Lab Tour	E: ANIMAL 1hr Lab Tour