

## Rodent Pathology in Translational Research and Phenotyping Workshop

Time	Monday 10/17	Time	Tuesday 10/18	Time	Wednesday 10/19	Thursday 10/20	Friday 10/21
08:20-08:50	Registration	08:30-08:45	Sign-in	08:30-08:45	Sign-in		
08:50-09:00	Chair address	08:45-10:15	Rodent necropsy + histopathology – one strategy <b>Dr. Cory Brayton (1.5h)</b>	08:45-10:15	Clinical pathology in phenotyping <b>Dr. Cory Brayton (1.5h)</b>	Histopathology of the rodent liver <b>Dr. Jerrold Ward (1.5h)</b>	Rodent neuropathology <b>Dr. Jerrold Ward (1.5h)</b>
09:00-10:30	Mouse biology, genetics & nomenclature (including background and strain characteristic lesions) <b>Dr. Cory Brayton (1.5h)</b>	10:15-10:30	Break	10:15-10:30	Break		
10:30-12:00		10:30-12:00	Rodent Immunohistochemistry <b>Dr. Jerrold Ward (1.5h)</b>	10:30-12:00	Metabolic phenotyping <b>Dr. Cory Brayton (1.5h)</b>	Genomics and genetics of rodent liver injury and cancer (hypertrophy, enzyme inducers, genomics and cancer) <b>Dr. David Malarkey (1.5h)</b>	Other rodents – hamster, guinea pig, etc. <b>Dr. Cory Brayton (1.5h)</b>
10:30-12:00	Mice & GEM infections & infectious phenotypes (pathology) <b>Dr. Cory Brayton (1.5h)</b>						
12:00-13:00	Lunch (Please sign-in for the afternoon sessions before 13:00)						
13:00-14:00	Immunodeficient mice: options & challenges <b>Dr. Cory Brayton (1.0h)</b>	13:00-14:00	Famous rats – and expected pathology phenotypes <b>Dr. Cory Brayton (1.0h)</b>	13:00-14:30	Evaluation of the mouse embryo, placenta and neonates <b>Dr. Jerrold Ward (1.5h)</b>	Tumor pathology <b>Dr. Jerrold Ward (1.5h)</b>	Gross pathology of the dog and cat: classic cases <b>Dr. David Malarkey (1.5h)</b>
14:00-15:00	Overview of the high throughput phenotyping program and pipelines in the Japan Mouse Clinic and its role in IMPC <b>Dr. Wakana Shigeharu (1.0h)</b>	14:00-15:00	Rats – infections & infectious phenotypes (pathology) <b>Dr. Cory Brayton (1.0h)</b>	14:30-16:00	Animal models of cancer in the US NTP <b>Dr. David Malarkey (1.5h)</b>	Overview of pathology peer review in the NTP <b>Dr. David Malarkey (1.5h)</b>	Final review + virtual microscopy potpourri <b>Dr. David Malarkey, Major lecturer (1.5h)</b> Dr. Cory Brayton Dr. Jerrold Ward
15:00-15:15	Break			16:00-16:15	Break		
15:15-16:15	Introduction of mouse models for human psychiatric diseases in RIKEN ENU mutagenesis program <b>Dr. Tamio Furuse (1.0h)</b>	15:15-16:45	Hematopoietic and lymphoid systems <b>Dr. Jerrold Ward (1.5h)</b>	16:15-17:45	Review 3 : quiz + virtual microscopy** <b>Dr. David Malarkey, Major lecturer (1.5h)</b> Dr. Cory Brayton Dr. Jerrold Ward	Review 4 : quiz + virtual microscopy** <b>Dr. Jerrold Ward, Major lecturer (1.5h)</b> Dr. Cory Brayton Dr. David Malarkey	
16:15-17:15	Review 1 : quiz + virtual microscopy** <b>Dr. Cory Brayton, Major lecturer (1.0h)</b> Dr. Jerrold Ward Dr. David Malarkey	16:45-17:45	Review 2 : quiz + virtual microscopy** <b>Dr. Jerrold Ward, Major lecturer (1.0h)</b> Dr. Cory Brayton Dr. David Malarkey	18:00-20:30	Welcome reception dinner All attendants and lecturers (Hosted by <b>Dr. Simon Liang</b> , Director of NLAC)		

**\*\* If attendees have some histopathological slides, please bring to the workshop, and we will arrange an open discussion.**