Scientific meeting on animal models of neurodegenerative disorders
May 3rd 2016
Paris, Brain and Spine Institute
Hôpital Pitié Salpêtrière
47, bd de l'hôpital
75013 PARIS - France

9:00 – 9:15 Welcome address by Prof. Yves Lévy (CEO of Inserm) and Prof. Okano (Dean of the Keio University School of Medicine)

9:15 – 10:30 First session: Simplified cell and animal models of neurodegeneration
Co-Chaired by Dr Etienne Hirsch (Inserm) and Prof. Okano (University of Keio)

9:15 – 9:35 Christian Neri (Institut Paris Seine, Paris, France)
Rules underlying the molecular dynamics of Huntington’s disease

9:40 – 10:00 Kent Imaizumi (Keio University School of Medicine, Department of Physiology, Tokyo, Japan)
Human iPSC-based modeling of region-specific phenotypes of neurological diseases

10:05 – 10:25 Olga Corti (Brain and Spine Institute, Paris, France)
Use of iPSc-derived neurons to validate molecular mechanisms of relevance to PARK2-linked Parkinson’s disease

10:30 Coffee break

10:45 – 12:20 Second session: Rodent models of neurodegeneration
Co-Chaired by Dr Etienne Hirsch (Inserm) and Prof. Okano (University of Keio)

10:45 – 11:05 Takaomi C. Saido (RIKEN Brain Science Institute, Laboratory for Proteolytic Neuroscience, Wako, Japan)
Biology of Time: Humanization of entire murine tau gene for a better model of Alzheimer’s disease

11:10 – 11:30 Luc Buée (Jean Pierre Aubert Research Center – Neurosciences and Cancer, Lille, France)
Rodents and Tau pathology: from transgenesis to viral vectors
11:35 – 11:55 Kenji Tanaka (Keio University School of Medicine, Department of Neuropsychiatry, Tokyo, Japan)
Stratal dysfunction and apathy model animals

12:00 – 12:20 Masato Yasui (Keio University School of Medicine, Tokyo, Japan)
Neuromyelitis Optica (NMO) rat model: evidence for astrocytopathy

12:30 Lunch (speakers only)

14:00 – 15:35 Third session: Non-human primate models of neurodegeneration
Co-Chaired by Dr Etienne Hirsch (Inserm) and Prof. Okano (University of Keio)

14:00 – 14:20 Emmanuel Procyk (Stem Cell and Brain Research Institute, Lyon, France)
Markers of executive functions: from fundamental science to preclinical models in non-human primates

14:25 – 14:45 Hideyuki Okano (Keio University School of Medicine, Department of Physiology, Tokyo, Japan)
Brain Mapping and Modeling Human Psychiatric/Neurological Disorders using Transgenic technologies and Genome-Editing in Non-human Primates

14:50 – 15:10 Philippe Hantraye (Molecular Imaging Research Center Mircen, Fontenay-aux-Roses, France)
Development and functional characterization of viral vector-mediated non-human primate models of neurodegeneration

15:15 – 15:35 Masaya Nakamura (Keio University School of Medicine, Tokyo, Japan)
Regenerative medicine for spinal cord injury focusing on non-human primate model

15:40 Coffee break

16:00 – 17:10 Fourth session: Animal models and Human Studies
Co-Chaired by Dr Etienne Hirsch (Inserm) and Prof. Okano (University of Keio)

16:00 – 16:20 Takeshi Iwatsubo (University of Tokyo, Tokyo, Japan)
Modeling Alzheimer's neuropathology in animal models: comparison with human clinical studies

16:25 – 16:45 Jin Nakahara (Keio University School of Medicine, Tokyo, Japan)
Beyond the failure of EAE model: Oligodendrogliopathy in multiple sclerosis

16:50 – 17:10 Brahim Nait Oumesmar (Brain and Spine Institute, Paris, France)
Preclinical Models of Multiple Sclerosis

17:20 – 18:30 General Discussion and Conclusion