

第5回新潟大学脳研究所共同研究拠点国際シンポジウム

BRI International Symposium 2015

Genome Editing Technology; its Current State-of-Art and Application to Brain Research

Organizer: Joint Usage/Research Center for Brain Research

March 5-6, 2015, Center for Integrated Human Brain Science (6F), Niigata University

Thursday, March 5

参加費無料 多数ご参加下さい

13 : 00	Opening remarks Masatoyo Nishizawa (Director, Brain Research Institute Niigata University)
Session 1: Genome editing using TALEN and CRISPR technology (Tentative title)	
13 : 10	<i>Targeted Genome Editing in Cultured Cells and Animals</i> Takashi Yamamoto (Hiroshima University)
13 : 40	<i>Gene Targeting and Genome Editing in C57BL/6 Mouse Strain for Brain Research</i> Manabu Abe (Niigata University)
14 : 10	<i>CRISPR/Cas Mediated Genome Editing in Mice and its Application for the Study of Reproduction</i> Masahito Ikawa (Osaka University)
14 : 40	<i>Efficient Generation of Knockout/Knock-in Rats Using CRISPR/Cas System</i> Tomoji Mashimo (Kyoto University)
15 : 10	Poster Presentation
Session 2: iPS Technology and the Study of Brain Diseases (Tentative title)	
16 : 25	Keynote lecture <i>iPS Technology and the Study of Brain Diseases</i> Rudolf Jaenisch (MIT/Whitehead Institute, USA)
	Reception
Friday, March 6	
Session 3: Reprogramming of iPS cells (Tentative title)	
9 : 05	<i>Dissecting Cancer Biology with iPSC Technology</i> Yasuhiro Yamada (Kyoto University)
9 : 35	Keynote lecture <i>Molecular Mechanisms and Novel Applications for Reprogramming Towards Pluripotency</i> Jacob Hanna (Weizmann Institute, Israel)
10 : 15	Coffee break
Session 4: Mouse and rat models using novel technology of gene manipulation (Tentative title)	
10 : 30	<i>Tetracycline-Controllable Gene Expression and Knockdown</i> Kenji Tanaka (Keio University)
11 : 00	<i>Studying Neural Circuit Mechanism by Using Transgenic Rat Technology</i> Kazuto Kobayashi (Fukushima Medical University)
11 : 30	<i>How Does an Oligodendrocyte Select Axons to Myelinate?</i> Kazuhiro Ikenaka (National Institute for Physiological Sciences)
12 : 00	Lunch
Session 5: iPS technology and application to therapy of diseases (Tentative title)	
13 : 00	Keynote lecture <i>Brain Science using Transgenic non-Human Primates</i> Hideyuki Okano (Keio University)
14 : 00	Coffee break
14 : 15	<i>Precise Editing of iPS Cell Genome: Perspectives on DMD Gene Therapy</i> Akitsu Hotta (Kyoto University)
14 : 45	<i>Autophagy-Deficiency and Aggregate Formation</i> Masaaki Komatsu (Niigata University)
15 : 15	Closing remarks Kenji Sakimura (Niigata University)

お問い合わせ：脳研究所共同利用係
E-mail:noukyoudo@adm.niigata-u.
ac.jp
Tel:025-227-0565