



最先端研究開発支援プログラム (FIRST)

「心を生み出す神経基盤の遺伝学的解析の戦略的展開」国際シンポジウム

「幹細胞から見た神経発生」

Neural Development: Stem Cell Perspective

2012年1月17日(火) 9:30～17:40 (開場 9:00)

1月18日(水) 9:00～15:00 (開場 8:30)

慶應義塾大学 三田キャンパス 北館ホール

主 催：理化学研究所 駐日英国大使館
共 催：慶應義塾大学 実験動物中央研究所
後 援：内閣府 文部科学省 慶應義塾大学-理化学研究所 人間知性研究センター
慶應義塾大学グローバルCOEプログラム「幹細胞医学のための教育研究拠点」
オーガナイザー：岡野 栄之 (慶應義塾大学医学部) 佐々木 えりか (実験動物中央研究所)

Greetings

This project, ” Strategic Exploitation of Neuro-Genetics for Emergence of the Mind” (Core researcher:Hideyuki Okano, Keio University School of Medicine) was launched in 2009, with funding from the Japanese government and support from Keio University, the Central Institute for Experimental Animals and the RIKEN Brain Science Institute. This funding is a part of large-scale undertaking by Japanese government to keep Japan at the forefront of global scientific research through encouraging milestone projects that will benefit the world.

We aim to identify the mechanisms of neuro-genetics for mind and high-level functioning in this project utilizing various new research methods such as genetic engineering technology on common marmosets. The entire symposium focuses on the technical aspects of creating model animals and investigates neural development from a stem cell perspective. We consider this a significant opportunity to discuss the technical methods with active leading-edge participants in the field.

We would like to thank the British Embassy Tokyo for supporting the organization of this symposium, and we hope to further develop and reinforce our global research links with our peers in the world, in particular with the U.K.



Core Researcher: Hideyuki Okano

Chair of Keio University Graduate School of Medicine
Professor, Keio University School of Medicine
Team Leader, RIKEN-Keio Univ. Joint Research Laboratory

A handwritten signature in black ink, appearing to read 'H. Okano' in a cursive style.

International Symposium

Neural Development: Stem Cell Perspective

Date : Tuesday-Thursday, 17~18January 2012

Venue: Kita-kan Hall, Keio University Mita Campus

<Program>

Day 1: Tuesday, 17 January

Opening Remarks

- 09:30 Dr. Tasuku Honjo, Professor, Kyoto University
Former Executive Member, Council for Science and Technology Policy
(CSTP), Cabinet Office
- 09:35 British Embassy Tokyo
- 09:40 Hideyuki Okano, Core Researcher, FIRST

I. Stem cells and their Pluripotency

Chair: Jennifer Nichols & Hitoshi Niwa

- 10:00 Jennifer Nichols (University of Cambridge)
- 10:30 Hitoshi Niwa (RIKEN CDB)
- 11:00 <Break>
- 11:20 Toru Nakano (Osaka University)
- 11:50 Toshiaki Noce (Keio Advanced Research Centers)
- 12:20 <Lunch>

II. Germline Stem Cells and their Differential Regulation: towards Production of Recombinant Model Animals

Chair: Penato Liu & Erika Sasaki

- 13:30 Pentao Liu (Wellcome Trust Sanger Institute)
- 14:00 Shoukhrat Mitalipov (Oregon Health and Science University, USA)
- 14:30 Erika Sasaki (Central Institute for Experimental Animals, Keio
University)
- 15:00 <Coffee Break>

III. Stem Cells and Their Asymmetric Cell Divisions

Chair: Andrea Brand & Fumio Matsuzaki

15:30 Andrea Brand (University of Cambridge)

16:00 Fumio Matsuzaki (RIKEN CDB)

16:30 < Break >

16:40 Panel Discussion

Coordinator: Hirotaka James Okano (Jikei University School of Medicine)

17:40 close

Day 2: Wednesday, 18 January

IV. Neural Induction and Neural Circuit Formation

Chair: Shigeyoshi Itohara & John Parnavelas

09:00 Shigeyoshi Itohara (RIKEN BSI)

09:30 John Parnavelas (University College London)

10:00 < Break >

V. Cortical Development and Neural Disorder

Chair: William Richardson & Hideyuki Okano

10:20 William Richardson (University College London)

10:50 Tomomi Shimogori (RIKEN BSI)

11:20 Takaki Miyata (Nagoya University)

11:50 < Lunch >

13:00 Byoung-II Bae (Children's Hospital Boston, Harvard Medical School)

13:30 Hideyuki Okano (Keio University & RIKEN BSI)

14:15 Panel Discussion

Coordinator: Hirotaka James Okano (Jikei University School of Medicine)

15:00 Closing Remarks

Atsushi Seike, President, Keio University