

3rd Symposium of the IMSUT & RCAST Global COE

New Horizon of Stem Cell Research and
Regenerative Medicine

Friday March 4 , 2011. 10:00-17:00

Auditorium of The Institute of Medical Science, The University of Tokyo

Free Admission

Speakers

Nicholas Barker (Institute of Medical Biology, Singapore)

Hideo Ema (IMSUT)

Koji Eto (IMSUT)

Koichi Hattori (IMSUT)

Beate Heissig (IMSUT)

Yoshiya Kawaguchi (Graduate School of Medicine, Kyoto University)

Emi Nishimura (Medical Research Institute, Tokyo Medical and Dental University)

Derrick James Rossi (Harvard University, USA)

Supported by the Global COE Program

“Center of Education and Research for the Advanced Genome-Based Medicine”

Access to IMSUT

<http://www.ims.u-tokyo.ac.jp/imsut/en/access/access/>

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Free Admission (No advance registration required.)

P R O G R A M

10 : 00—10 : 05 Opening Remarks
Motoharu Seiki
[Dean /Professor, The Institute of Medical Science, The University of Tokyo (IMSUT)]

Chair: Chikao Morimoto [Professor, IMSUT]

10 : 05—10 : 35 **The impact of membrane type-1 matrix metalloproteinase and plasminogen deficiency on post-natal hematopoiesis**
Beate Heissig [Project Associate Professor, IMSUT]

10 : 35—11 : 15 **Directing cell fate with modified mRNA**
Derrick J. Rossi [Assistant Professor, Stem Cell and Regenerative Biology Department, Harvard University, USA]

11 : 15—11 : 45 **Fibrinolytic system regulates myeloid-cell dependent neoangiogenesis during tissue Regeneration**
Koichi Hattori [Project Associate Professor, IMSUT]

11 : 45—12 : 05 **Identification of cancer stem cell markers in human malignant mesothelioma cells**
Hiroto Yamazaki [Project Assistant Professor, IMSUT]

12 : 05—13 : 05 Lunch

Chair: Yoichiro Iwakura [Professor, IMSUT]

13 : 05—13 : 35 **Stem cells in the hair follicle bulge sustain pigmented hair growth through their niche function**
Emi K. Nishimura [Professor, Medical Research Institute, Tokyo Medical and Dental University]

13 : 35—13 : 55 **Generation of Rat Pancreas in Mouse by Interspecific Blastocyst Injection of Pluripotent Stem Cells**
Toshihiro Kobayashi [Postdoctoral Fellow, ERATO Nakauchi Stem Cell and Organ Regeneration Project]

13 : 55—14 : 25 **Ex vivo expansion of regular and latent hematopoietic stem cells**
Hideo Ema [Project Associate Professor, IMSUT]

14 : 25—14 : 55 **Systems Approach to Stem Cell Biology**
Jun Seita [Instructor, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University, USA]

14 : 55—15 : 15 Coffee Break

Chair: Beate Heissig [Project Associate Professor, IMSUT]

15 : 15—15 : 45 **Human induced pluripotent stem cell-derived blood cells toward clinical application**
Koji Eto [Project Associate Professor, IMSUT]

15 : 45—16 : 25 **Lgr5 Stem Cells in Self-Renewal and Cancer**
Nick Barker [Senior Principal Investigator, Institute of Medical Biology, Singapore]

16 : 25—16 : 55 **Continuous cell supply from Sox9-expressing progenitors in adult liver, exocrine pancreas and intestine**
Yoshiya Kawaguchi [Lecturer, Graduate School of Medicine, Kyoto University]

16 : 55—17 : 00 Closing Remarks
Hiromitsu Nakauchi [Professor, IMSUT]