



Epigenome and Bioinformatics Platforms for Cancer Research and Translation  
Global COE for Conquest of Signal Transduction Diseases with “Network Medicine”

## Joint Minisymposium of EB Platforms and NM-GCOE

Date: Feb.4<sup>th</sup>(Fri.),2011 13:00-20:00

Place: Main Conference Room(2F), Building #1 at School of Medicine

- 13:00 – 13:05 Opening Remark **Masayuki Yamamoto (Tohoku Univ.)**  
13:05 – 13:15 Message of the Program “Epigenome and Bioinformatics Platforms for Cancer Research and Translation”  
**Toshio Iijima (Tohoku Univ.)**

### Session 1

*Chairperson, Kazuhiko Igarashi (Grad. Sch. of Med., Tohoku Univ.)*

- 13:15 – 13:40 In vivo nano-imaging of cancer metastasis in tumor-bearing mice and angiogenesis in ischemic model mice  
**Kohsuke Gonda (Grad. Sch. of Med., Tohoku Univ.)**  
13:40 – 14:10 Analysis of Cdk1 function in cell cycle using a conditional knock-out mouse model  
**Kasim Diril (Inst. of Mol. Cell Biol., Singapore)**  
14:10 – 14:35 The repression of plasma cell differentiation by Bach2 allows activated B cells to execute class switch recombination  
**Akihiko Muto (Grad. Sch. of Med., Tohoku Univ.)**

~ Coffee Break (10min) ~

### Session 2

*Chairperson, Seiichi Mori (Cancer Sci. Inst. Singapore, National Univ. of Singapore)*

- 14:45 – 15:10 Genome-wide analysis of GATA1 and GATA2 occupancy indicates GATA-factor switching during erythroid differentiation  
**Mikiko Suzuki (Grad. Sch. of Med., Tohoku Univ.)**  
15:10 – 15:35 Discovering hematopoietic mechanisms through genome-wide analysis of GATA factor chromatin occupancy  
**Tohru Fujiwara (Grad. Sch. of Med., Tohoku Univ.)**  
15:35 – 16:15 Development of diagnostic and therapeutic strategy for serous adenocarcinoma of the ovary by gene expression signatures and functional genomics approach  
**Seiichi Mori (Cancer Sci. Inst. Singapore, National Univ. of Singapore)**  
16:15 – 16:40 Genomic imprinting in the placenta  
**Hiroaki Okae (Grad. Sch. of Med., Tohoku Univ.)**

~ Break (10min) ~

### Session 3

*Chairperson, Masayuki Yamamoto (Grad. Sch. of Med., Tohoku Univ.)*

- 16:50 – 18:20 How normal cells become cancer cells?  
**Yoshiaki Ito (Cancer Sci. Inst. Singapore, National Univ. of Singapore)**  
18:20 – 18:25 Concluding Remark **Kazuhiko Igarashi (Tohoku Univ.)**

### Get-together

- 18:30 – Building #5, Room #201