

# Young Investigators' Symposium – 31<sup>st</sup> May 2013



## Program

- 07:45 – 08:15 REGISTRATION
- 08:30 – 08:35 WELCOME ADDRESS by *YIS Committee Chair*  
**Aparna VENKATESH**, *Molecular Engineering Laboratory (Singapore)*
- 08:35 – 08:40 OPENING ADDRESS by *Guest-of-Honor*  
**Alan COLMAN**, *Institute of Medical Biology (Singapore)*
- 08:45 – 09:45 KEYNOTE  
**Robert BLELLOCH**, *University of California, San Francisco (USA)*  
MicroRNA regulation of Pluripotency
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### Session 1: PLURIPOTENT STEM CELLS

Chairs: Jonathan LOH, *IMCB* & Christine CHEUNG, *IMCB*

- 09:45 – 10:15 **Masato NAKAGAWA**, *Kyoto University (Japan)*  
Establishment of novel culture system of human iPS cells for clinical application
- 10:15 – 10:30 **Steven HAVLICEK**, *University Hospital Erlangen (Germany)*  
Modeling Autosomal Dominant Hereditary Spastic Paraplegia (SPG4) using human induced pluripotent stem cells
- 10:30 – 10:45 **Julien Jean Pierre MAURY**, *Bioprocessing Technology Institute (Singapore)*  
Excess Of O-Linked N-Acetylglucosamine Modifies Human Pluripotent Stem Cells Differentiation
- 10:45 – 11:00 **Irene AKSOY**, *Genome Institute of Singapore (Singapore)*  
Re-engineering Sox transcription factors to induce reprogramming and specify endodermal fate
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- 11:00 – 11:25 MORNING TEA BREAK
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## Session 2: ADULT STEM CELLS

Chairs: Hongyan WANG, *Duke-NUS* & Kim PNG, *MEL*

- 11:25 – 11:55 **Steven POLLARD**, *University College London Cancer Institute (UK)*  
Epigenetic reprogramming of brain cancer
- 11:55 – 12:10 **Nicolas GRASSET**, *Institute of Medical Biology (Singapore)*  
Tracking epidermal stem cell fate after engraftment
- 12:10 – 12:25 **Cheng WANG**, *National University of Singapore (Singapore)*  
An Ana2/Ctp/Mud Complex Regulates Spindle Orientation in *Drosophila* Neuroblast
- 12:25 – 12:40 **David TAN**, *Institute of Medical Biology (Singapore)*  
Lgr5+ stem cells in the mammary gland
- 12:40 – 12:55 **Narendra BHARATHY**, *National University of Singapore (Singapore)*  
Role of G9a in epigenetic regulation of skeletal myogenesis

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12:55 – 14:00 LUNCH & POSTER SESSION

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## Session 3: CLINICAL AND INDUSTRIAL LANDSCAPE IN SINGAPORE

Chairs: Steve OH, *BTI* & Aparna VENKATESH, *MEL*

- 14:00 – 14:30 **Ivy HO**, *National Cancer Centre (Singapore)*  
*TBA*
- 14:30 – 15:00 **Citra Nurfarah Zaini MATTAR**, *Dept. of O&G NUS (Singapore)*  
*TBA*
- 15:00 – 15:30 **Kim RAINERI**, *Lonza*  
*TBA*

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15:30 – 16:00 AFTERNOON TEA BREAK

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## Session 4: ROUNDTABLE DISCUSSIONS

16:00 – 17:00

### **Session I. New Frontiers of Pluripotent Stem Cells**

Chairs: Masato NAKAGAWA (*Kyoto University*) & Robert BLELLOCH (*UCSF*)

Location: Breakthrough Theatre, Biopolis

### **Session II. Future Landscape of Adult Stem Cells**

Chair: Steven POLLARD (*UCL*)

Location: Breakthrough Theatre, Biopolis

### **Session III. Clinician vs. Scientist – Which is the better career path?**

Chair: Shu Uin GAN (*NUS*)

Location: Discovery Theatre, Biopolis

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17:00 – 19:00

### **SOCIAL NETWORKING (*Drinks & Hors d'oeuvres*)**

Venue: TBA

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