

The 6th Uppsala-Hallym Symposium 2014

Rudbeck Hall
Friday May 23

Stem Cells And Regenerative Medicine



UPPSALA
UNIVERSITET



HALLYM UNIVERSITY MEDICAL CENTER

SciLifeLab

Welcome Message by Professor Anders Hallberg



Dear Meeting Participant,

Our close contact with Hallym University and Hallym University Medical Center in Seoul, Korea began in 2006, on the initiative of Chairman Dai-Won Yoon and the former Dean of the Faculty of Medicine Kjell Öberg and his colleagues. Fruitful research collaborations were subsequently established.

The 1st Symposium “Current Issues in Medicine and Surgery: From Bench to Bedside I”, took place in Seoul, in 2008; the 2nd Symposium “Current Issues in Medicine and Surgery : From Bench to Bedside II” in Uppsala, in 2009; the 3rd Symposium “Tissue Engineering & Regenerative Medicine” in Seoul, in 2010; the 4th Symposium “Biomarkers: From Bench to Clinic” in Uppsala, in 2011 and the 5th Symposium “Advances in Imaging: From Basic to Clinical Practice” in Seoul, in 2012. Hallym University Medical Center (HUMC) is one of the largest medical institutions in Korea and consists of six general hospitals: Hallym University Sacred Heart Hospital; Kangnam Sacred Heart Hospital; Chuncheon Sacred Heart Hospital; Hangang Sacred Heart Hospital; Dongtan Sacred Heart Hospital; and Kangdong Sacred Heart Hospital. HUMC operate approximately 4,000 patient-beds at its hospitals and 6,000 employees including 600 medical professors have been dedicating themselves to pursuing the highest quality medical care under the founding principles. I want to thank Chairman Yoon and his team of excellent professors for coming all the way from Korea to Uppsala and for sharing their recent research accomplishments with us.

It is my great pleasure to invite you to the 6th Uppsala-Hallym International Symposium “Stem Cells and Regenerative Medicine”.

Anders Hallberg, PhD

Professor, Former President, Uppsala University

Welcome Message by Chairman Dai-Won Yoon

Dear Meeting Participant,



It is a great privilege to congratulate the opening of the 6th Uppsala-Hallym International Symposium at Uppsala University which has a long history and time-honored tradition. I want to express my heartfelt gratitude to President Emeritus Anders Hallberg for his tremendous support and encouragement to hold the collaborative symposium. My appreciation also goes to speakers of Uppsala University who will share their knowledge of cutting-edge research on stem cells and regenerative medicine. I am confident that today's meeting will motivate and encourage two institutions to actively share advanced research results and this will make our friendship even more mutually beneficial. Hallym University also wishes to have a wide range of academic exchanges with Uppsala University in the days to come. Based upon our strong will and passion, we at Hallym will make every effort to produce the most positive outcomes which will help us not only develop the two institutions but also contribute to the prosperity of humankind. Taking this opportunity, I sincerely ask for your deep interest, advice and guidance for Hallym. Once again, I want to thank Uppsala leadership, professors and the audience for being here with us today. Thank you.

Dai-Won Yoon, MD, PhD

Chairman, Board of Trustees

Ilsong Educational Foundation

Hallym University and Hallym University Medical Center

Welcome Message by the Scientific Committee

Dear Meeting Participant,

It is with great pleasure we welcome you to the 6th Uppsala-Hallym Symposium, held at the Rudbeck Laboratory, Uppsala on May 23, 2014. The symposium focuses on progress made in the understanding of stem cells and regenerative medicine. *Stem Cells and Regenerative Medicine* brings together speakers from Hallym University and Uppsala University in this fascinating area. The combination of speakers is chosen to highlight both basic research and clinical progress.

The symposium *Stem Cells and Regenerative Medicine* welcomes you to participate in discussions and interactions with the speakers. We hope you will enjoy the conference program, and take the opportunity to discuss with old and new colleagues during the meeting.



Karin Forsberg-Nilsson, PhD
*Professor, Dept. of Immunology,
Genetics and Pathology, Uppsala University*



Yong-Sun Kim, MD, PhD, Executive
*Vice President for Health & Biomedical
Sciences, Hallym University*

The 6th Uppsala-Hallym Symposium

Friday, May 23, 2014

Rudbeck Hall, Rudbeck Laboratory

Scientific Program

- 9.15-9.30 **Welcome address by**
Anders Hallberg, PhD, Professor, Former President, Uppsala University and
Dai-Won Yoon, MD, PhD, Chairman, Board of Trustees, Ilsong Educational
Foundation, Hallym University & Hallym University Medical Center
- Chair: Karin Forsberg-Nilsson, PhD
Professor, Dept. Immunology, Genetics and Pathology, Uppsala University
- 9.30-9.50 **Islet cytoprotection strategies for improving the transplantation outcome**
Sung-Hee Ihm, MD, PhD
Professor, Div. of Endocrinology & Metabolism, Dept. of Internal Medicine, Hallym
University
- 9.50-10.10 **Replacement therapies in Type 1 Diabetes**
Olle Korsgren, MD, PhD
Professor, Dept. of Immunology, Genetics and Pathology, Uppsala University
- 10.10-10.30 **Interaction between IKK γ and RhoA GTPase is essential for NF- κ B activation**
Jae-Bong Park, PhD
Professor, Dept. of Biochemistry, Hallym University
- 10.30-11.00 COFFEE BREAK
- Chair: Yong-Sun Kim, MD, PhD
Executive Vice President for Health & Biomedical Sciences, Hallym University
- 11.00-11.20 **The origin of the tumor vasculature**
Lena Claesson Welsh, PhD
Professor, Dept. of Immunology, Genetics and Pathology, Uppsala University
- 11.20-11.40 **Studying disease mechanisms with induced pluripotent stem cells derived from
familial Parkinson disease patients**
Dongchul Kang, PhD
Professor, Ilsong Institute of Life Science, Hallym University

11.40-12.00 **Modeling neurodevelopmental disorders using induced pluripotent stem cells**

Niklas Dahl, MD, PhD

Professor, Dept. of Immunology, Genetics and Pathology, Uppsala University

12.00-13.30 LUNCH

Chair: Sung-Hee Ihm, MD, PhD

Professor, Div. of Endocrinology & Metabolism, Dept. of Internal Medicine, Hallym University

13.30-13.50 **Development of cell-laden 3D scaffold for Engineered Skin Substitute**

Wook Chun, MD, PhD

Professor, Dept. of Burn Surgery, Hallym University

13.50-14.10 **Challenges with growth factor engineering of bone**

Jöns Hilborn, PhD

Professor, Dept. of Chemistry, Uppsala University

14.10-14.30 COFFEE BREAK

Chair: Kjell Öberg, MD, PhD

Professor, Dept. of Medical Sciences, Uppsala University

14.30-14.50 **Oct4 maintains head and neck squamous carcinoma stem-like cell traits**

Woo-Jin Bae, MD

Clinical Assistant Professor, Dept. of Otorhinolaryngology-Head & Neck Surgery, Hallym University

14.50-15.10 **Brain tumor stem cells as a tool for research and drug discovery**

Karin Forsberg-Nilsson, PhD

Professor, Dept. of Immunology, Genetics and Pathology, Uppsala University

15.10-15.25 **Concluding remarks by**

Yong-Sun Kim, MD, PhD, Executive Vice President for Health & Biomedical Sciences, Hallym University and

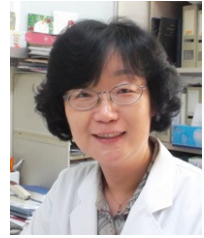
Karin Forsberg-Nilsson, PhD, Professor, Dept. of Immunology, Genetics and Pathology, Uppsala University

SPEAKERS

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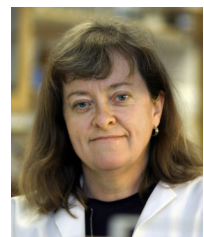
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