



WELCOME

The 5th China-Japan-Korea (A3) Foresight Joint Symposium on Gene Therapy will take place in Pohang, Korea, June 11-13, 2008. The A3 foresight program started two years ago to promote mutual knowledge each other by exchanging recent results and developments in their research on gene delivery. Previous symposiums were very successful with many attendants and excellent papers. I think our efforts and constructive communications will contribute not only to the scientific advancement in gene therapy, but also to the construction of invaluable network between the scientists from China, Japan, and Korea.

The focus of this symposium will be on recent advances in the area of biomaterials, gene and drug delivery for therapeutic and diagnostic purposes using polymeric biomaterials. Up-to-date advances and results will be presented and discussed by the leaders as well as by young scientists from the three countries. Moreover, internationally renowned invited speakers from USA will provide participants with global status of drug and gene therapy.

I welcome all of you and wish you an enjoyable, productive and enlightening symposium. I also hope you have a wonderful time in Korea.

I look forward to meeting you in Pohang !

Tae Gwan Park, Ph.D.
Symposium Chairman

THE 5th A3 (CHINA-JAPAN-KOREA) FORESIGHT MEETING ON GENE THERAPY IN CONJUNCTION WITH INTERNATIONAL SYMPOSIUM ON BIOMATERIALS AND DRUG DELIVERY SYSTEMS

June 11, Wednesday

17:30~18:30 Registration
19:00~21:00 Welcome Dinner

Session Chair: Prof. A. Cho Lee, Korea
14:00~14:40 *Plenary talk*
Prof. Phillip B. Messersmith (Northwestern University, USA)
Polymer Biomaterials Inspired by Marine Adhesive Proteins
14:40~15:10 *Keynote talk*

Prof. Daniel Kohane (Harvard Medical School, USA)
Injectable drug delivery systems for prolonged duration local anesthesia
15:10~15:30 Coffee break

15:30~16:00 *Keynote talk*

Prof. Zhiyuan Zhong (Soochow University, China)
Bioreducible Poly(amido amine)s for Non-viral Gene Delivery
16:00~16:20 *Invited talk*

Dr. Ick Chan Kwon (KIST, Korea)
Activatable Probes for Molecular Imaging
16:20~16:40 *Invited talk*

Prof. Shinsuke Sando (Kyoto University, Japan)
Effort toward In-Cell Nucleic Acid Analysis: Sensing of Nucleic Acid Sequences Using Unmodified Nucleic Acid as a Probe
16:40~17:00 *Invited talk*

Prof. Xintao Shuai (Yat-sen University, China)
Multifunctional Nanomedicine Platform for MRI-visible Gene and Drug Delivery
17:00~17:30 Discussion
18:00~ Banquet

Registration website: <http://www.krccrs.org>

Registration fee

Participant: KW 250,000 (By June 10, 2008)

KW 300,000 (On Site Registration)

Students: KW 100,000 (By June 10, 2008)

KW 120,000 (On Site Registration)



June 12, Thursday

9:00~9:10 *Opening Remarks*

Session Chair: Prof. Zhiyuan Zhong, China

9:10~9:50 *Plenary talk*

Prof. Allan S. Hoffman (University of Washington, USA)
Enhancing the Efficacy of Intracellular Drug Delivery
9:50~10:20 *Keynote talk*

Prof. Young Ha Kim (GIST, Korea)
Tissue engineering with mechanical stimulation
10:20~10:40 Coffee break
10:40~11:10 *Keynote talk*

Prof. Yoshiki Katayama (Kyushu University, Japan)
New Concept for Gene Therapy Using Intracellular Signal-Responsive Gene Regulation System
11:10~11:30 *Invited talk*

Prof. Xuesi Chen (CIAC, China)
Synthesis and Characterization of Biodegradable Copolymers with Electroactivity Applied in Tissue Engineering
11:30~11:50 *Invited talk*

Prof. Sangyong Jon (GIST, Korea)
Drug-Loaded Superparamagnetic Iron Oxide Nanoparticles for Combined Cancer Imaging and Therapy in Vivo
11:50~12:10 *Invited talk*

Prof. Hidetoshi Arima (Kumamoto University, Japan)
PAMAM Dendrimer (G3) Conjugate with a-Cyclodextrin as a Novel Carrier of siRNA
12:10~12:30 Discussion
12:30~14:00 Lunch

June 13, Friday

Session Chair: Prof. Arihiro Kano, Japan

9:00~ 9:40 *Plenary talk*

Dr. Fran Grams (Hoffman-La Roche, Switzerland)

Value generation through active sourcing of external innovation in drug delivery

9:40~10:10 *Keynote talk*

Dr. Chee-Youb Won (Johnson & Johnson, USA)

Pegylation Technology: Overview

105:10~10:30 Coffee break

10:30~11:00 *Keynote talk*

Prof. Daniel Anderson (MIT Cancer Center, USA)

Combinatorial development of biomaterials for tissue engineering and drug delivery

11:00~11:20 *Invited talk*

Prof. Kazuo Sakurai (The University of Kitakyushu, Japan)

Immunostimulatory CpG Sequence to Enhance Cytokine Secretion Owing to the Cluster Effect and its Receptor-Specific DDS to Target APCs

11:20~11:40 *Invited talk*

Prof. Peibiao Zhang (CIAC, China)

A primary study of biodegradable and intelligent conducting polymer for tissue engineering application

11:40~12:00 *Invited talk*

Prof. Youngro Byun (Seoul National University, Korea)

Nanostructured heparin derivatives as a new angiogenesis inhibitor

12:00~12:30 Discussion

Symposium Office

Before & after the meeting **On-site**

Dept. of Biological Science,
KAIST, Daejeon 305-701,
Korea (Prof. T. G. Park)

Tel.: +82 (0)42 869 5621

Fax: +82 (0)42 869 2610

C.P.: +82 (0)10 9087 2061

e-mail: silicajw@kaist.ac.kr

Gimpo International Airport to Pohang Airport

(Domestic airline, 50 min)

Pohang Airport to POSTECH

(Taxi, 20 min, about ₩10,000)

Pusan International Airport to POSTECH

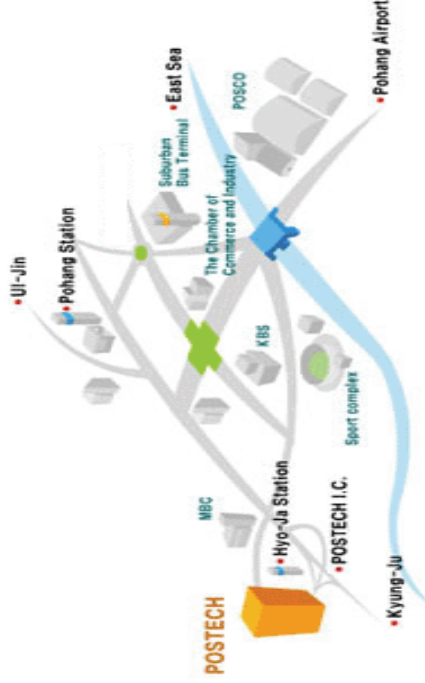
(POSTECH shuttle bus)

GENERAL INFORMATION

The City

Pohang is a city in North Gyeongsang Province, South Korea. Pohang is the home town of POSCO (the Pohang Steel Company), one of the largest steel producers in the world. The city has a substantial community of scientists working as researchers and professors alongside their Korean colleagues at POSCO and the prestigious POSTECH (the Pohang University of Science and Technology), near Gyeongju. Gyeongju is a UNESCO historical city which was a capital of Shilla Dynasty for about 1,000 years. It is considered as a 'museum without walls' with beautiful mountains, rivers, and sea.

The Venue



Transportation



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June 11-13, 2008

POSTECH International Center
POSTECH, Pohang, Korea

Symposium Chairman: Prof. Tae Gwan Park, KAIST

Organizing Committee: Prof. Sei Kwang Hahn, POSTECH

Prof. Won Jong Kim, POSTECH

Organized by

Korea Advanced Institute of Science and Technology (KAIST)

Pohang University of Science and Technology (POSTECH)

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Korea Science and Engineering Foundation (KOSEF)

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