



The 2<sup>nd</sup> International  
**Neuroscience**  
Symposium

Brain Mapping  
and Future  
of the Brain

2017. 5. 24 (수) 10:00-18:30  
송도컨벤시아 프리미어볼룸 (2층)

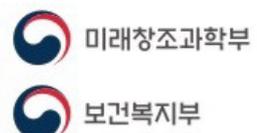
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# Invitation Letter

Welcome to the 2nd International Neuroscience Symposium. Gachon Neuroscience Research Institute (NRI) was founded in 2003 and established 7.0T MRI and HRRT-PET-7.0T MRI hybrid scanner which is very unique in the world. We are going to build 11.7T MRI with the world's top group.

I strongly believe that by using this technology, we will open new era of brain research on mind, thinking, emotion, behavior and brain disease and will greatly contribute to the construction of human brain mapping that is final frontier science project.

The symposium features topics of brain mapping, ranging from neurobiology to neuroimaging.

More than 10 renowned experts will get together to present and discuss the various researches on structural and functional brain mapping for enhancing the quality of life from basic neurobiology to neuroimaging.

I sincerely hope that this symposium will become a successful festivity of exchanging state-of-the-art-research achievements of neuroscience.

I would like to express my sincere appreciation and gratitude to all speakers, participants and organizing committee members. We look forward to welcoming you in Incheon, Korea for a stimulating scientific program.

*May 24, 2017*

Sincerely yours,

**Jeong-Bok Yoo**

Mayor of  
Incheon Metropolitan City

**Yoo-Hun Suh, MD&ph.D**

Chaired professor and President  
of Neuroscience Research Institute (NRI)  
Gachon University

# The 2<sup>nd</sup> International Neuroscience Symposium : Brain Mapping and Future of the Brain

## Session 1 Opening Ceremony and Plenary public Lecture (Korean)

time	program	details
09:00~10:00	Site-registration	Registration of participants and showing the promote video
10:00~10:08	Opening address & Welcome speech	Mayor of Incheon, Korea President of NRI, Gachon (Yoo-Hun Suh)
10:08~10:14	Congratulatory address	The president of a Incheon city assembly President of The Korean Academy of Science and Technology (Myeong-chul Lee)
10:14~10:30	Ceremony of MOU Signing & Photographing	Incheon Metropolitan City, Gachon Univ, Seoul National Univ, KAIST(IBS), Korea Univ, KBRI, KIST, Tohoku Fukushi Univ, Leiden Univ, Melbourne Univ, Incheon Tourism Organization
10:30~11:30	Plenary Lecture	How to make your brain happy and young and the future of the brain (Yoo-Hun Suh)
11:30~12:50	Lunch	

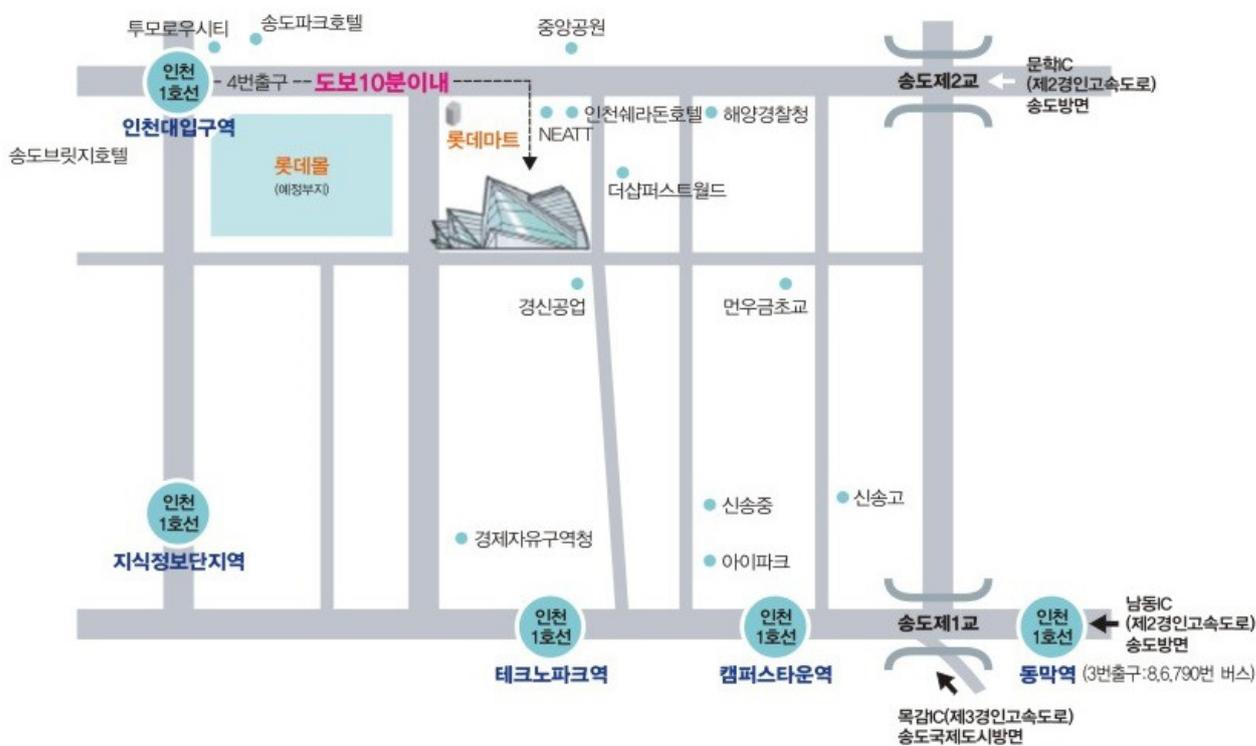
## Session 2 Topic : Structural and Functional Mapping of Connectome (English)

time	program	Speaker
13:00~13:30	Brain connectomics in psychiatry	A. Zalesky (Melbourne Univ.)
13:30~14:00	Diffusion of intracellular Brain Metabolites : a Cell Preferential Probe for Microstructure and Physiology	Itamar Ronen (Leiden Univ.)
14:00~14:30	Brain profile seen by functional networks and human traits	Yeol-wan Seong (Tohoku Fukushi Univ. & NRI, Gachon)
14:30~15:00	Nano-scale Connectomics using 3D Electron Microscopy	Gyeju Lee (KBRI)
15:00~15:30	mGRASP for mapping synaptic connectivity at multiple scales	Jinhyeon Kim (KIST)
15:30~15:40	coffee break	

## Session 3 Topic : Basic Neurobiology Research for Brain Mapping (English)

time	program	Speaker
15:40~16:10	NMDA receptor dysfunction in autism spectrum disorders	Eunjun Kim (KAIST)
16:10~16:40	Making Human Spinal Cord in a Dish via Mimicking Developmental Program	Ung Seon (Korea Univ.)
16:40~17:10	Principle and Application of PET Imaging for Brain Mapping	Tatsuo Ido (NRI, Gachon)
17:10~17:40	Maladaptive coping of the brain circuits to pain sensation	Sangjeong Kim (Seoul National Univ.)
17:40~18:10	Update of MRI in Parkinsonism focus on T2 GRE, Neuromelanin MRI	Yeong Hui Seong (NRI, Gachon)
18:10~18:30	Closing address	Yoo-Hun Suh (President of NRI, Gachon)





**Songdoconvensia address**

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