
2016 GRCMB Symposium

- New Generation of Neuroimaging & Neuroscience -

가천대 길병원 대사성질환 혁신신약 및 뇌질환 진단기술 개발사업단 (Gil Hospital R&BD Center for Novel Metabolic Disease Drug Development and Brain Disease Diagnostic Techniques, GRCMB)에서는 오는 2016년 10월 14일 '2016 GRCMB Symposium'을 개최합니다. 이번 심포지엄은 "New Generation of Neuroimaging & Neuroscience"의 주제를 가지고 세계 최고 수준의 첨단 융복합 영상의료기기 개발 기술과 뇌질환 진단 기술 확보를 위해 심도 깊은 토론과 정보 공유의 장을 마련하여 미래 전략을 제시하고자 합니다. 많은 참석과 관심 부탁드립니다.

- 일시 : 2016년 10월 14일 금요일 08:30 – 17:00
- 장소 : 가천대 길병원 응급센터 11층 가천홀
- 등록안내
 - 등록비 : 무료
 - 등록방법 : http://grcmb.re.kr/04_symposium/symposium01.htm
 - 원활한 행사진행을 위해 사전등록을 권장함.
- 문의처 : 이혜미 (Tel: 032-460-9042, E-mail: hmlee@gilhospital.com)
- 주관 : 대사성질환 혁신신약 및 뇌질환 진단기술개발사업단 (GRCMB), 뇌과학연구원 (NRI)
- 후원 : 보건복지부, 한국보건산업진흥원, 가천대 길병원

Time	Program	Speaker
08:15 ~ 08:45	Registration	
08:45 ~ 09:00	Opening Remarks	Myung-Hee Chung (Gachon Biomedical & Convergence Institute) Yoo-Hun Suh (Neuroscience Research Institute)
Session 1	Neuroimaging: Converging Advanced Technologies (English) Chair: Bo-Young Choe, Jun-Young Chung	
09:00 ~ 09:30	Human brain MRI at 500MHz: technological challenges and Iseult project solutions	Thierry Schild (NeuroSpin, CEA)
09:30 ~ 10:00	11.74Tesla 700mm Superconducting MRI magnet development	Hong-Beom Jin (Magnex Inc.)
10:00 ~ 10:30	Ultra-high field MRI: Current status of coil and hardware design	Joseph Murphy-Boesch (NIH)
10:30 ~ 11:00	Development of 11.74T RF system at GUGMC	Yeun-Chul Ryu (Gachon University)
11:00 ~ 11:30	Development of Next-generation PET system at GUGMC	Seong-Ho Seo (Gachon University)
11:30 ~ 12:00	PET radiopharmaceutical technology for neurodegenerative disease	Sang-Yoon Lee (Gachon University)
12:00 ~ 13:00	Lunch	
Session 2	Neuroscience: Bringing Molecules to Clinical (Korean) Chair: Che-Il Moon, Kyung-Min Lee	
13:00 ~ 13:30	Protein quality control system in TDP-43 proteinopathies: A mechanism of neurodegeneration and a therapeutic target	Hyung-Jun Kim (Korea Brain Research Institute)
13:30 ~ 14:00	S100A9 knockdown/knockout decreases the memory impairment and neuropathology in Tg2576 mice, AD animal model	Keun-Ah Chang (Gachon University)
14:00 ~ 14:30	Thalamocortical input onto layer 5 pyramidal neurons	Jong-Cheol Rah (Korea Brain Research Institute)
14:30 ~ 15:00	Critical role of mesolimbic BDNF in depressive-like behaviors	Ja-Wook Koo (Korea Brain Research Institute)
15:00 ~ 15:10	Coffee Break	
15:10 ~ 15:40	Hierarchical processing in the brain	Hyeon-Ae Jeon (DGIST)
15:40 ~ 16:10	MR Spectroscopy and spectroscopic imaging of the human brain: basic principles and applications	Hyun-Man Baek (Korea Basic Science Institute)
16:10 ~ 16:40	PET studies in the neurodegenerative diseases	Young Noh (Gil Medical Center)
16:40 ~ 17:00	Closing Remarks	Yoo-Hun Suh (Neuroscience Research Institute)