

文部科学省「脳科学研究戦略推進プログラム」第一回公開シンポジウム 有楽町朝日ホール スクエア
脳科学の最先端～BMIと新しいモデル動物

2009年2月12日(木) 『日英ブレイン・マシン・インターフェース国際ワークショップ(課題A, B 公開シンポジウム)』

9:45 ~ 10:00	“Opening Remarks” Professor Ichiro Kanazawa (The Chairman of the Science Council of Japan), Professor John Beddington (The British government Chief Scientific Adviser and head of science and technology), Professor Shigetada Nakanishi (Program Director of SRPBS, Director of Osaka Bioscience Institute), and Professor Colin Ingram (Director of the Institute of Neuroscience, Newcastle University)
10:00 ~ 10:30	“Spinal cord interneuronal network and functional electrical stimulation of the spinal cord with chronically implanted electrodes” Assistant Professor Kazuhiko Seki (Department of Developmental Physiology, National Institute for Physiological Sciences), Dr. Andrew Jackson (Institute of Neuroscience, Newcastle University) and Professor Tadashi Isa (Department of Developmental Physiology, National Institute for Physiological Sciences)
10:30 ~ 11:00	“Restoring motor function with Brain-Machine Interfaces” Dr. Andrew Jackson and Professor Stuart Baker (Institute of Neuroscience, Newcastle University)
11:00 ~ 11:15	Break
11:15 ~ 11:45	“Visual prosthesis with suprachoroidal transretinal stimulation system” Professor Takashi Fujikado and Professor Yasuo Tano (Department of Ophthalmology, Osaka University Medical School)
11:45 ~ 12:15	“Towards a high-resolution retinal prosthesis for degenerative retinal diseases” Dr. Keith Mathieson (Retinal Prosthesis Group, Glasgow University)
12:15 ~ 12:45	“Towards totally implantable neural prostheses for inner ear rehabilitation” Dr. Timothy Constandinou (Institute of Biomedical Engineering, Imperial College London)
12:45 ~ 14:00	Lunch
14:00 ~ 14:30	“Robot control by human brain with subdural electrodes” Professor Toshiki Yoshimine (Department of Neurosurgery, Osaka University Medical School)
14:30 ~ 15:00	“Gamma oscillations encode the structure of static visual environments: a mechanism for monitoring constancy of sensory input?” Dr Avgis Hadjipapas (The Wellcome Trust Laboratory for MEG Studies, The School of Life and Health Sciences, Aston University)
15:00 ~ 15:30	“Leading edge of cybernetics and BMI / BCI” Professor Yoshiyuki Sankai (Global COE “CYBERNETICS”, Graduate School of Systems and Information Engineering, University of Tsukuba)
15:30 ~ 15:45	Break
15:45 ~ 16:15	“Experience of neuroprostheses for motor function after spinal cord injury” Professor Nick Donaldson (Department of Medical Physics and Bioengineering, University College London)
16:15 ~ 16:45	“New aspects of BMI” Dr Mitsuo Kawato (ATR Computational Neuroscience Laboratories, ICORP Computational Brain Project, JST)
16:45 ~ 17:45	general discussion + statement

2009年2月13日(金) 『霊長類脳での遺伝子改変研究の展開(課題C 公開シンポジウム)』

9:30 ~ 9:35	「開会の辞」 伊佐 正(自然科学研究機構生理学研究所)
9:35 ~ 10:05	「霊長類の大脳皮質の特徴」 山森哲雄(自然科学研究機構基礎生物学研究所)
10:05 ~ 10:35	「ウィルスベクターを用いたサル脳への遺伝子導入: パーキンソン病の遺伝子治療研究」 高田昌彦(東京都医学研究機構東京都神経科学総合研究所)
10:35 ~ 11:00	休憩
11:00 ~ 11:30	「ヒト疾患モデルマウスモセツ作出に向けた基礎研究」 佐々木えりか(実験動物中央研究所)
11:30 ~ 12:00	「脳科学のためのコモンマウスモセツを用いたMR画像解析」 岡野栄之(慶應義塾大学)
12:00 ~ 12:10	「閉会の辞」 中西重忠(大阪バイオサイエンス研究所)