

Multi-layered analyses of in vivo functions, Part II & III (生体機能の多層的解析、第二部および第三部)

日時: 平成29年3月7日(火)、13:00~16:30

場所: 慶應義塾大学医学部信濃町キャンパス 3号館北棟 1階ラウンジ

使用言語: 英語および日本語

【参加自由】

Part II: Visualization of neurons and manipulation of activities and behaviors (第二部: 神経の可視化と活動・行動の操作)

13:00~13:30

Visualization and analysis of neuronal architectures in mouse models of neuropsychiatric disorders (精神神経疾患マウスモデルの神経組織構築の可視化と解析)

Ken-ichiro Kubo Department of Anatomy, Keio University School of Medicine

13:30~14:00

Dual-process control of learned behaviour: from the viewpoint of experimental psychology (学習性行動の二過程制御: 実験心理学の見地から)

Yutaka Kosaki Keio Advanced Research Center

14:00~14:35

Integrated opto- and chemogenetics for control of neuronal activity by using physical and biological light (光遺伝学と化学遺伝学の統合的アプローチ: 物理的光と生物発光を用いた神経細胞活動の制御)

Ken Berglund Department of Neurosurgery, Emory University

14:35~14:50 Refreshment break

Part III: Large-scale recording and imaging of brains (第三部: 脳の大規模計測とイメージング)

14:50~15:25

Large-scale silicon probe recordings in the mouse superior colliculus (シリコンプローブを用いたマウス上丘の神経細胞活動の大規模計測)

Shinya Ito Santa Cruz Institute for Particle Physics (SCIPP), University of California, Santa Cruz

15:25~15:55

Dissection of downstream targets of the hippocampus using optogenetic fMRI (光遺伝学的fMRIを用いた海馬活動伝播様式の全脳解析)

Norio Takata Department of Neuropsychiatry, Keio University School of Medicine

15:55~16:25

Imaging of dopamine metabolism by mass spectrometry (質量分析による神経伝達物質イメージング)

Yuki Sugiura Department of Biochemistry and Integrative Medical Study, Keio University School of Medicine

16:25~16:30 Closing Remarks

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