

平成 28 年度 委託研究開発成果報告書

I. 基本情報

事業名：(日本語) 革新的技術による脳機能ネットワークの全容解明プロジェクト
(英語) Brain Mapping by Integrated Neurotechnologies for Disease Studies
(Brain/MINDS)

研究開発課題名：(日本語) 変性性認知症による脳機能ネットワーク異常の全容解明
(英語) Comprehensive researches to elucidate neuro-network dysfunctions in neurodegenerative dementia

研究開発担当者 (日本語) 東京医科歯科大学 教授・センター長 岡澤 均

所属 役職 氏名：(英語) Tokyo Medical and Dental University, Professor, Hitoshi Okazawa

実施期間：平成 28 年 4 月 1 日 ～ 平成 29 年 3 月 31 日

分担研究 (日本語) 脳老化病態カスケードのトランスレータブルなイメージングとメカニズム制御
の研究開発

開発課題名：(英語) Translatable imaging and mechanistic controls of a pathological cascade
in age-related neurodegenerative conditions

研究開発分担者 (日本語) 放射線医学総合研究所 脳機能イメージング研究部
チームリーダー 樋口 真人

所属 役職 氏名：(英語) Department of Functional Brain Imaging,
National Institute of Radiological Sciences,
National Institutes for Quantum and Radiological Science and
Technology
Team Leader, Makoto Higuchi

II. 成果の概要 (総括研究報告)

研究開発代表者：国立大学法人東京医科歯科大学・難治疾患研究所・岡澤均
総括研究報告を参照。

III. 成果の外部への発表

(1) 学会誌・雑誌等における論文一覧 (国内誌 0 件、国際誌 11 件)

1. Hitoshi Shimada, Soichiro Kitamura, Hitoshi Shinoto, Hironobu Endo, Fumitoshi Niwa, Shigeki Hirano, Ming-Rong Zhang, Tetsuya Suhara, Makoto Higuchi, Yasuyuki Kimura, Satoshi Kuwabara. Association between A β and tau accumulations and their influence on clinical features in aging and Alzheimer's disease spectrum brains: A [11 C]PBB3-PET study. *Alzheimers Dement (Amst)*, 2017-01, 6, 11 – 20, DOI:10.1016/j.dadm.2016.12.009
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8. Anna Barron, Masaki Tokunaga, Ming-Rong Zhang, Bin Ji, Tetsuya Suhara, Makoto Higuchi. Assessment of neuroinflammation in a mouse model of obesity and β -amyloidosis using PET. *Journal of Neuroinflammation*, 2016-08, 13(1), 221-1 - 221-14, DOI:10.1186/s12974-016-0700-x
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(3) 「国民との科学・技術対話社会」に対する取り組み

(4) 特許出願