

イノベーションシステム整備事業
先端融合領域イノベーション創出拠点形成プログラム
「翻訳後修飾プロテオミクス医療研究拠点の形成」
第58回 プロテオーム医療創薬研究会

【実施日】 2014 年9月9日(火) 17:00~18:30

【会 場】 横浜市立大学 福浦キャンパス D1 講義室

【来場者】 16名

【内 容】

演題：「Progression of synucleinopathy in Lewy body diseases.」

講師：Seung-Jae Lee, PhD

(Department of Biomedical Science and Technology Konkuk
University(建国大学), Republic of Korea)

発表要旨：

Misfolding and intracellular aggregation of α -synuclein are thought to be crucial factors in the pathogenesis of Lewy body diseases (LBD), such as Parkinson disease. However, the pathogenic modifications of this protein and the mechanism underlying its activity have not been fully characterized. Recent studies suggest that very low levels of α -synuclein are released from neuronal cells by unconventional exocytosis and that this extracellular α -synuclein contributes to the major pathological features of LBD, such as neurodegeneration, progressive spreading of α -synuclein pathology, and neuroinflammation. In this talk, I will review a rapidly growing body of literature on possible mechanisms by which extracellular α -synuclein contributes to LBD pathology, and discuss therapeutic approaches to target this form of α -synuclein to halt the progression of the LBD.

Ref. Lee et al. Nat Rev Neurology 10, 92-98, 2014