

Symposium 19: Drug discovery research on short peptide drugs for neurodegenerative diseases caused by aggregated peptide (短鎖ペプチドを用いた凝集性タンパク質を原因とする神経変性疾患治療薬開発の可能性)

Organizer: Motoaki Saito (Kochi University)
Fumiaki Ito (O-Force Co., Ltd)

Commentator: Yoshihisa Kitamura (Ritsumeikan University)

First half of the symposium (15:50 – 16:20)

1. The discovery of JAL-TA9 which cleaves amyloid- β with proteolytic activity

アミロイド β を分解するJAL-TA9(低分子酵素ペプチド)の発見

Rina Nakamura (O-Force Co., Ltd)

2. Effects of JAL-TA9 on cognitive deficits in A β 25-35-induced Alzheimer's disease model mouse

JAL-TA9のアルツハイマー病モデルマウスの認知機能改善作用

Zou Suo (O-Force Co., Ltd)

-----Question and Answer Session-----

Second half of the symposium (16:20 – 16:50)

3. Delivery of JAL-TA9 to the brain by nasal application

経鼻投与におけるJAL-TA9の脳内輸送

Yusuke Hatakawa (Tohoku University)

4. Possibility of short synthetic peptides with activities of suppressing amyloid- β aggregation and resolving its aggregated form as therapeutic drugs for Alzheimer's disease

アミロイド β に対する凝集抑制・乖離促進作用を有する短鎖ペプチドのアルツハイマー病治療薬としての可能性

Youichirou Higashi (Kochi University)

-----Question and Answer Session-----

