

相馬 洋平

和歌山県立医科大学 薬学部 薬品化学研究室 教授

生年月日：1979年3月19日

Tel: 073-498-8543

E-mail: ysohma@wakayama-med.ac.jp

### 略歴

2004年日本学術振興会特別研究員(DC2), 2005年京都薬科大学大学院薬学研究科修了(博士), 2005年日本学術振興会特別研究員(PD), 2006年シカゴ大学リサーチアソシエート, 2008年日本学術振興会海外特別研究員, 2009年京都薬科大学助教, 2012年JST-ERATO金井触媒分子生命プロジェクト医薬機能グループグループリーダー&東京大学大学院薬学系研究科グループリーダー(講師相当), 2021年より現職

### 専門分野

ペプチド・タンパク質化学, ケミカルバイオロジー, 創薬化学

### 受賞歴

日本ペプチド学会奨励賞(2006年), 天然物化学談話会奨励賞(2011年), 日本薬学会奨励賞(2015年), Banyu Chemist Award(2016年), 文部科学大臣表彰若手科学者賞(2018年), 先端技術大賞社会人部門特別賞(2022年, 共同受賞)

### 論文リスト

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- 7) Shuta Ozawa, Yukiko Hori, Yusuke Shimizu, Atsuhiko Taniguchi, Takanobu Suzuki, Wenbo Wang, Yung Wen Chiu, Reiko Koike, Satoshi Yokoshima, Tohru Fukuyama, Sho Takatori, **Youhei Sohma**,\* Motomu Kanai,\* Taisuke Tomita,\* Photo-oxygenation by a biocompatible catalyst reduces amyloid- $\beta$  levels in the brains of Alzheimer's disease Model Mice. *Brain* awab058 (2021).
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  - 32) **Youhei Sohma**,\* Moe Yamasaki, Hiroyuki Kawashima, Atsuhiko Taniguchi, Masayuki Yamashita, Kenichi Akaji, Hidehito Mukai, Yoshiaki Kiso,\* Comparative properties of A $\beta$ 1-42, A $\beta$ 11-42, and [Pyr<sup>11</sup>]A $\beta$ 11-42 generated from *O*-acyl isopeptides. *Bioorg. Med. Chem. Lett.* 23, 1326–1329 (2013).
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- 45) Atsuhiko Taniguchi, # **Youhei Sohma**, # Yuta Hirayama, Hidehito Mukai, Tooru Kimura, Yoshio Hayashi, Katsumi Matsuzaki, Yoshiaki Kiso, “Click peptide”: pH-triggered in situ production and aggregation of monomer A $\beta$ 1–42. *ChemBioChem* 10, 710–715 (2009). (#equal contribution) *Highlighted in Angew. Chem. Int. Ed.*
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#### Review paper

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## 特許リスト

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- 2) PCT/JP2021/1008 (発明者) 相馬洋平、金井求、城野柳人、大井未来 (発明の名称) フェノチアジン骨格を有する光酸素化触媒化合物及びこれを含む医薬 (出願人) 東京大学 (出願日) 2021 年 1 月 14 日
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