国際学会

Chemoenzymatic synthesis of fluorinated dolabellane skeleton for expanding structural diversity
○Hikaru Sekiya, Akihiro Sugawara, Yohei Morishita, Taro Ozaki, and Teigo Asai
令和 5 年度化学系学協会東北大会および日本化学会東北支部 80 周年記念国際会 (化学系学協会東北大会、東北大学、ポスター発表、9 月 8 日-10 日

Studies on the biosynthesis of hymeglusin, an HMG-CoA synthase inhibitor with a unique β-lactone ring
○Mizuki Hirokawa, Akihiro Sugawara, Yohei Morishita, Kento Tsukada Taro Ozaki, and Teigo Asai
令和 5 年度化学系学協会東北大会および日本化学会東北支部 80 周年記念国際会 (化学系学協会東北大会、東北大学、ポスター発表、9 月 8 日-10 日

Isolation and structure elucidation of shunt products from vinigrol cyclization pathway for understanding its diterpene-skeleton formation
○Fumito Sato, Yohei Morishita, Kento Tsukada, Syo Furumura, Akihiro Sugawara, Taro Ozaki, Teigo Asai
8 th Taiwan-Japan Joint Symposium for Pharmaceutical Sciences, Taipei, Oral presentation, 1 September

Introduction of C-F bond into fungal diterpenes with chemoenzymatic synthesis for expanding structural diversity
○Hikaru Sekiya, Akihiro Sugawara, Yohei Morishita, Taro Ozaki, and Teigo Asai
化学系サマースクール、東北大学、ポスター発表、8 月 8 日

Biosynthetic study of an HMG-CoA synthase inhibitor hymeglusin using heterologous　expression system
○廣川瑞樹、森下陽平、塚田健人、菅原章公、尾﨑太郎、浅井禎吾
日本薬学会　第 143 年会、北海道　国際交流シンポジウム (次世代薬学アジアシンポジウム)　口頭発表、2023 年 3 月 28 日

Discovery of fungal depsipeptide based on a synthetic biology-based approach
〇Yuto Homma, Akihiro Sugawara, Yohei Morishita, Kento Tsukada, Taro Ozaki, Teigo Asai
Directing Biosynthesis VI, United Kingdom, poster presentation (online), 27 - 29 June, 2022

First discovery of fungal polyene macrolide by genome mining and heterologous expression of a cryptic HR-PKS cluster
◯Yohei Morishita, Huiping Zhang, Daisuke Hagiwara, Teigo Asai.
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Production of diverse diterpenoid pyrones by re-construction and re-designing of fungal biosynthetic pathways in *Aspergillus oryzae*

◯Kento Tsukada, Shono Shinki, Akiho Kaneko, Teigo Asai.
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Development of Approaches for Activating Fungal Cryptic Secondary Metabolites Production Based on Random Mutation and Chemical Induction,
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International Symposium on Natural Product for the Future 2016, Tokushima, 9/2

Manipulation of Fungal Epigenetics Using a HDAC Inhibitor Induced Structurally Diverse Polyketide Producition in *Chaetomium indicum*
◯Teigo Asai, Takashi Yamamoto, Naoki Shirata, Tohru Taniguchi, Kenji Monde, Yoshiteru Oshima.
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