


Environmental Science: Atmospheres

GOLD
OPEN
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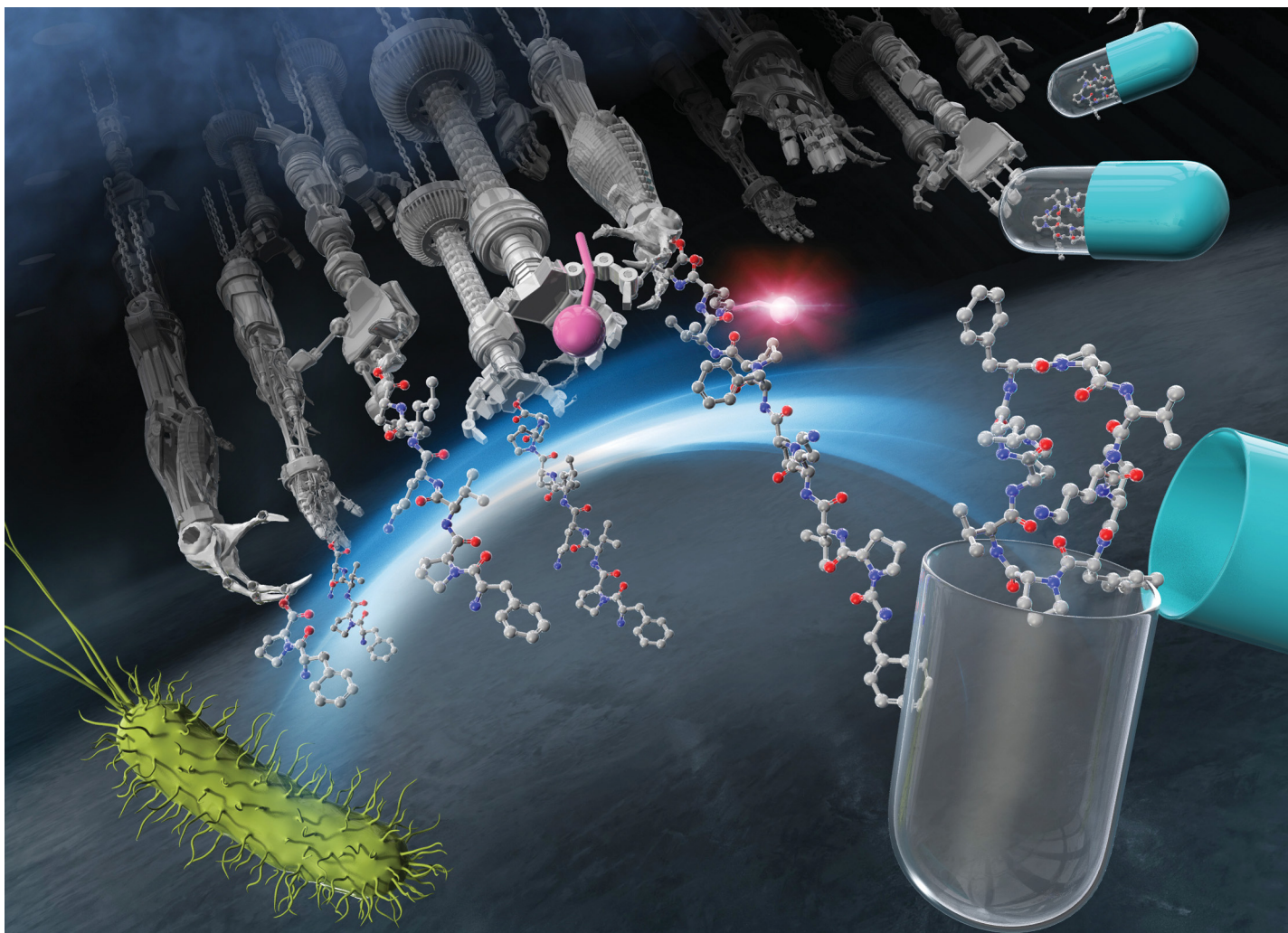
Connecting communities
and inspiring new ideas

APCs waived until mid-2023

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 @EnvSciRSC

Fundamental questions
Elemental answers



Showcasing research from the Pharmaceutical Organic Chemistry laboratory, Faculty of Pharmacy, Kindai University, Osaka, Japan.

Biosynthetic diversification of non-ribosomal peptides through activity-based protein profiling of adenylation domains

Activity-based protein profiling for analyzing the adenylation domains of non-ribosomal peptide synthetases (ABPP-NRPS) has been updated. The competitive ABPP-NRPS provided insight into enzyme substrate candidates. When coupled with precursor-directed biosynthesis, the antibiotic gramicidin S was strategically diversified.

As featured in:



See Fumihiko Ishikawa, Genzoh Tanabe *et al.*, *Chem. Commun.*, 2023, **59**, 9473.