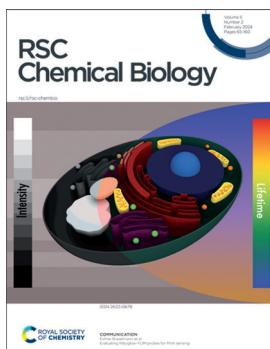


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Cover

See Esther Braselmann et al., pp. 109–116.
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All authors would like to acknowledge Luke Shafik and Zachary Berger for the creation of the cover image.

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Introduction to the themed collection on 'Molecular and Nanotheranostics'

Thimmaiah Govindaraju

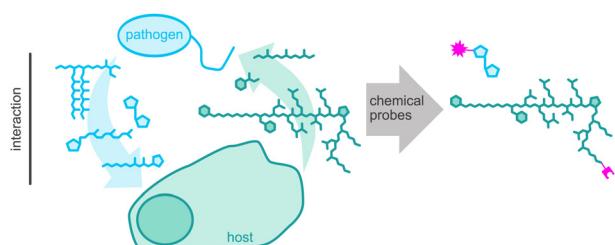


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Monitoring host–pathogen interactions using chemical proteomics

Angela Weigert Muñoz, Weineng Zhao* and Stephan A. Sieber*



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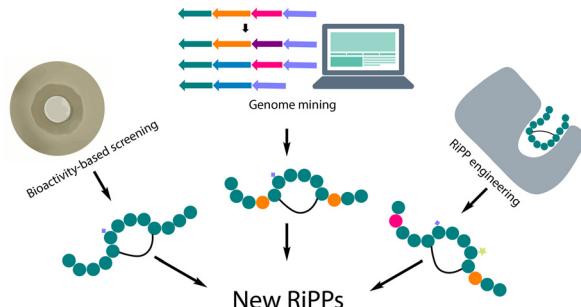
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Discovery and engineering of ribosomally synthesized and post-translationally modified peptide (RiPP) natural products

He Li, Wei Ding and Qi Zhang*



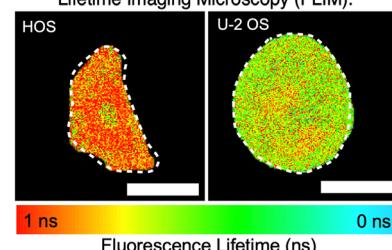
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Evaluating Riboglow-FLIM probes for RNA sensing

Nadia Sarfraz, Luke K. Shafik, Zachary R. Stickelman,
Uma Shankar, Emilia Moscoso and Esther Braselmann*

Riboglow probe Cbl-Cy5 in an HOS and U-2 OS cell visualized distinctly using Fluorescence Lifetime Imaging Microscopy (FLIM).

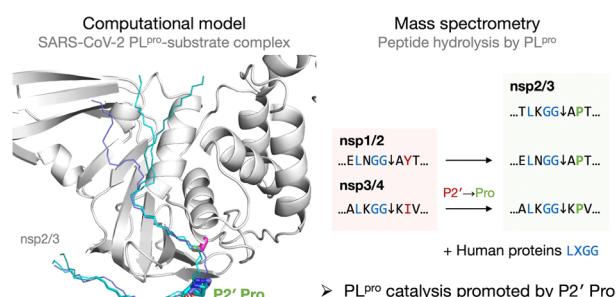


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Studies on the selectivity of the SARS-CoV-2 papain-like protease reveal the importance of the P2' proline of the viral polyprotein

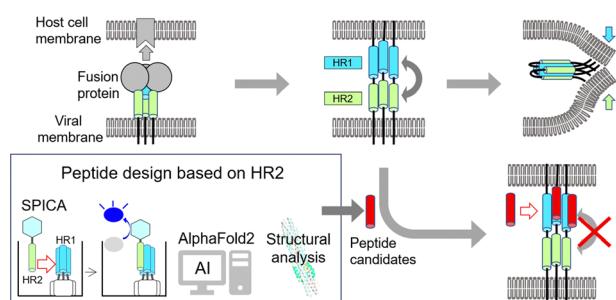
H. T. Henry Chan, Lennart Brewitz, Petra Lukacik, Claire Strain-Damerell, Martin A. Walsh, Christopher J. Schofield* and Fernanda Duarte*



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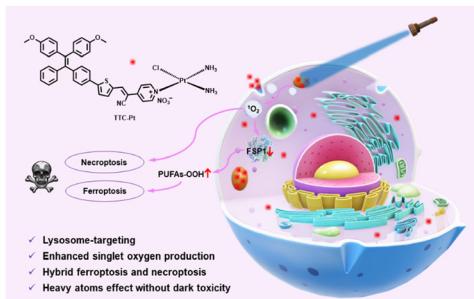
Helix-based screening with structure prediction using artificial intelligence has potential for the rapid development of peptide inhibitors targeting class I viral fusion

Satoshi Suzuki, Mio Kuroda, Keisuke Aoki, Kumi Kawaji, Yoshiki Hiramatsu, Mina Sasano, Akie Nishiyama, Kazutaka Murayama, Eiichi N. Kodama, Shinya Oishi and Hironori Hayashi*



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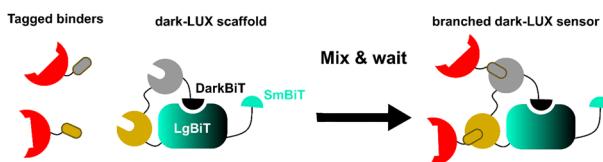
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An AIE-based monofunctional Pt(II) complex for photodynamic therapy through synergism of necroptosis–ferroptosis

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Bioluminescent detection of viral surface proteins using branched multivalent protein switches

Alexander Gräwe, Cindy M. Spruit, Robert P. de Vries and Maarten Merkx*

