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See Jeffery M. Tharp *et al.*, pp. 1555–1565. Image reproduced by permission of Jeffery M. Tharp from *RSC Chem. Biol.*, 2025, **6**, 1555.

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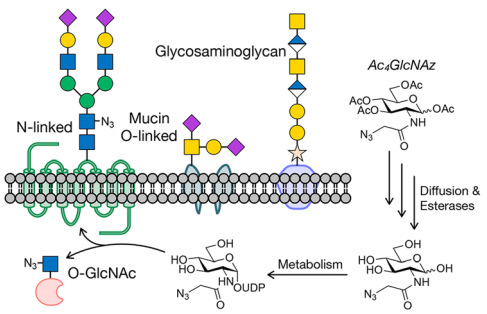

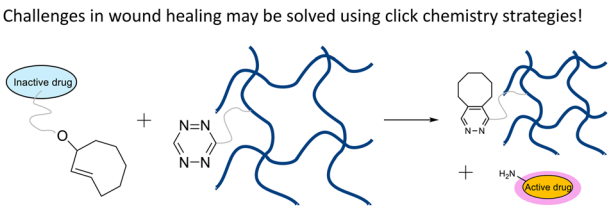

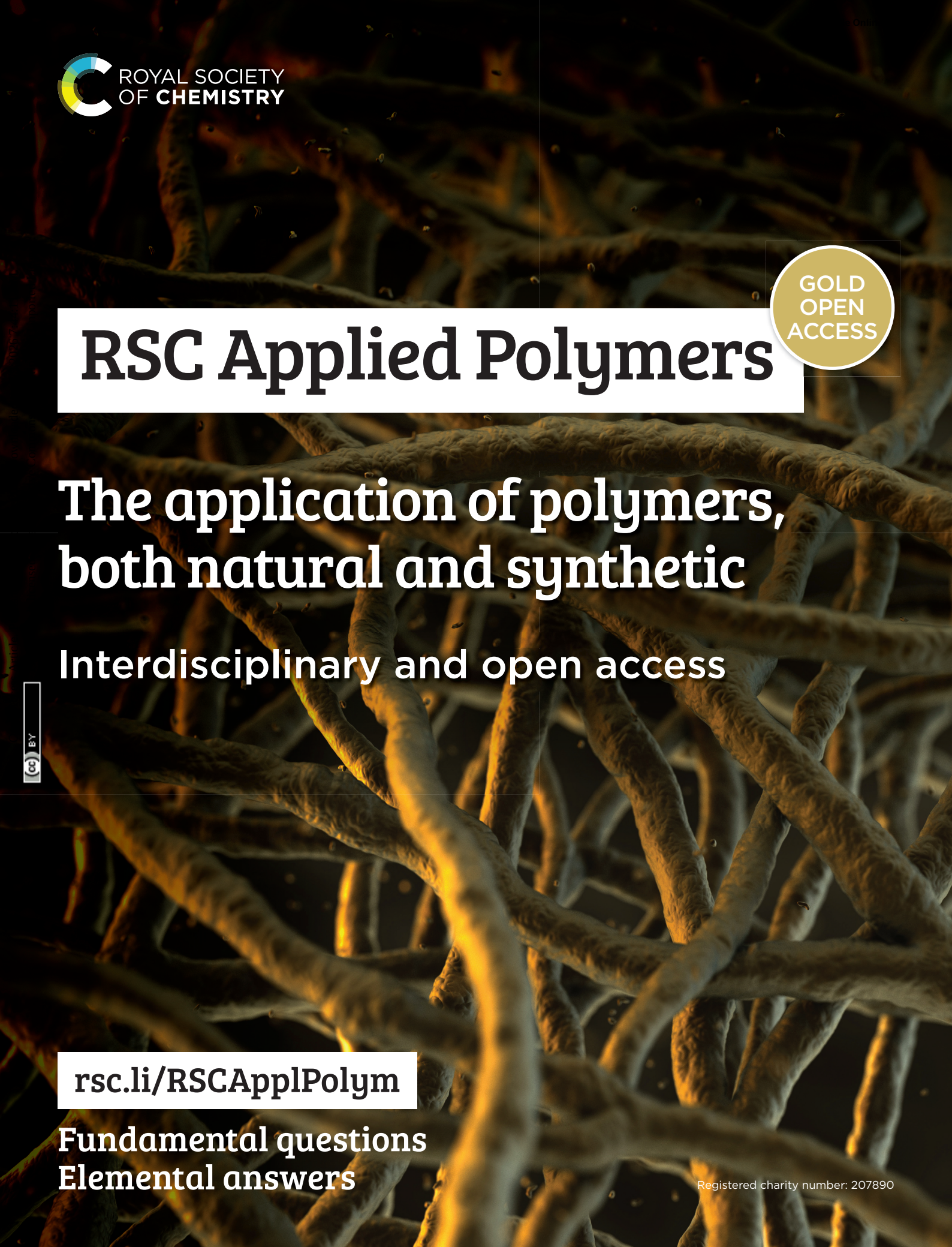
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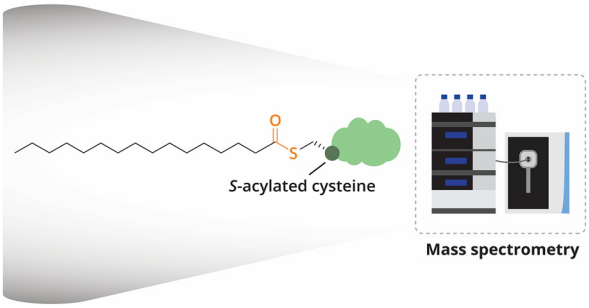
REVIEWS



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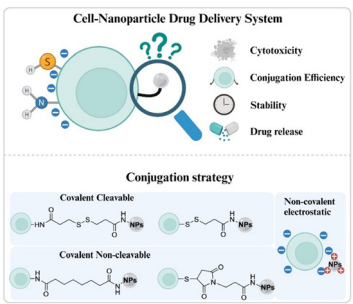

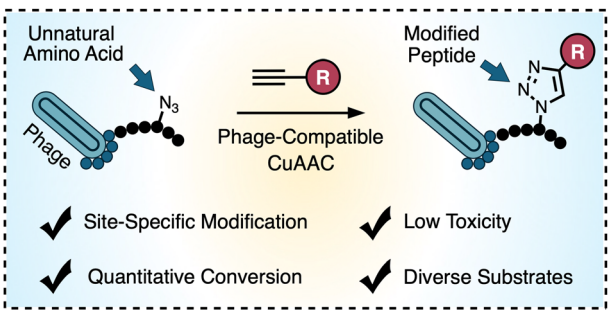

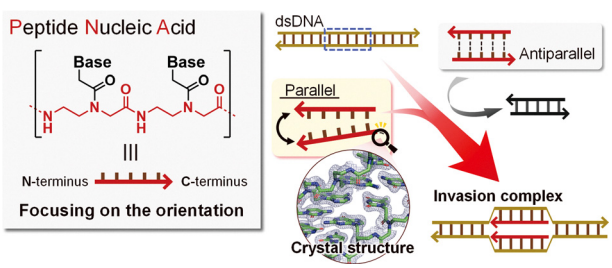

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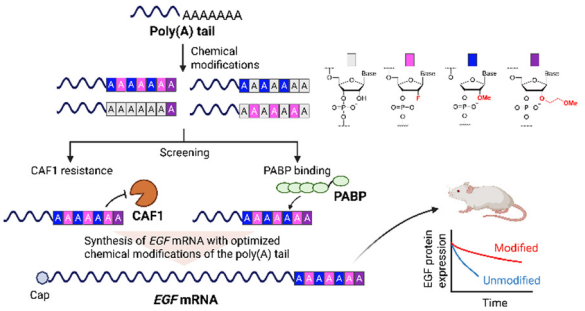
PAPERS

1616

Characterization of nuclease stability and poly(A)-binding protein binding activity of chemically modified poly(A) tail for *in vivo* applications

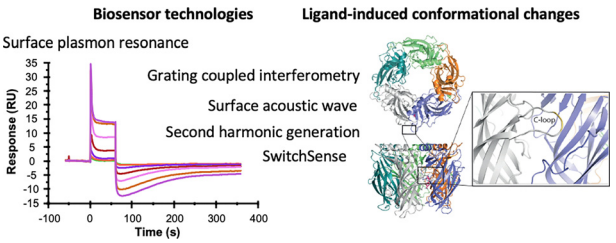
Atsushi Hashimoto, Yuma Kunitomo, Ittoku Kikuchi, Hiroki Yamada, Keiko Kobayashi, Kazuhiro Soshiroda, Hiromi Aman, Yasuaki Kimura, Junichiro Yamamoto, Yasuhisa Shiraishi, Satoshi Uchida,* Hiroshi Abe* and Hiroto Iwai*



1625

Detection and characterisation of ligand-induced conformational changes in acetylcholine binding proteins using biosensors and X-ray crystallography

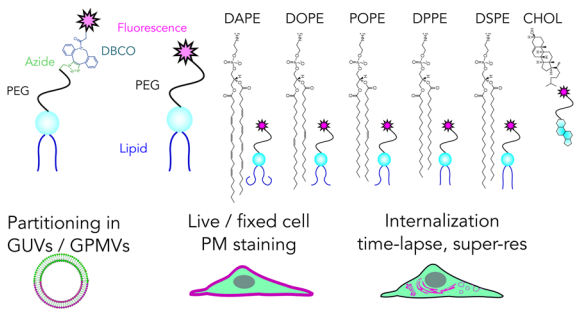
Edward A. FitzGerald, Daniela Cederfelt, Daria Kovryzhenko, Pierre Boronat, Bjarte Aarmo Lund, Doreen Dobritzsch, Sven Hennig, Pablo Porragas Paseiro, Iwan J. P. de Esch and U. Helena Danielson*



1640

Plasma membrane labelling efficiency, internalization and partitioning of functionalized fluorescent lipids as a function of lipid structure

Erdinc Sezgin



1650

The bacterial stress response polymerase DinB tolerates sugar modifications and preferentially incorporates arabinosyl nucleotides

Christina M. Hurley, Jeffrey M. Kubiak, Michael B. Cory, Jared B. Parker, Christian E. Loo, Laura C. Wang and Rahul M. Kohli*