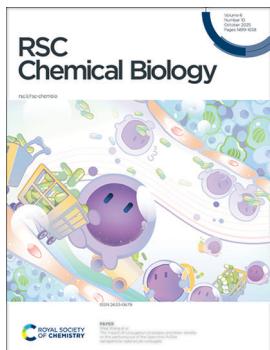


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Cover

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Inside cover

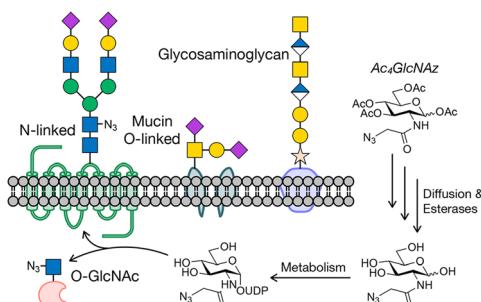
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REVIEWS

1506

Achieving cell-type selectivity in metabolic oligosaccharide engineering

Michelle Marie B. Helmeke, Rhianna L. Haynie-Cion and Matthew R. Pratt*

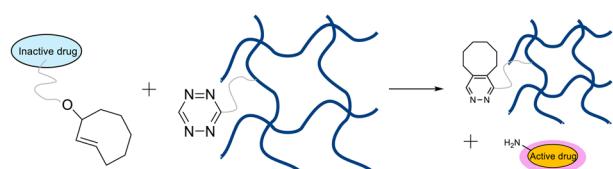


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Applications of click and click-to-release chemistry in biomaterials to advance skin regeneration

Merel Gansevoort, Matthijs van de Waarsenburg, Thomas J. Boltje, Floris P. J. T. Rutjes,* Toin H. van Kuppevelt and Willeke F. Daamen*

Challenges in wound healing may be solved using click chemistry strategies!



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Elemental answers

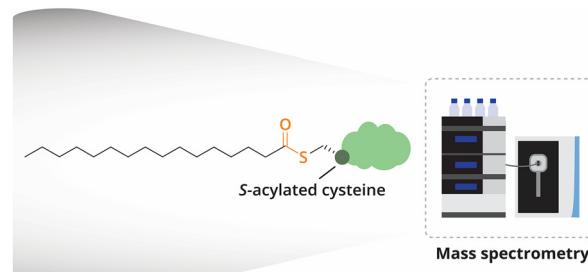
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Deciphering protein long-chain S-acylation using mass spectrometry proteomics strategies

Anneros E. Nederstigt, Samiksha Sardana and Marc P. Baggelaar*

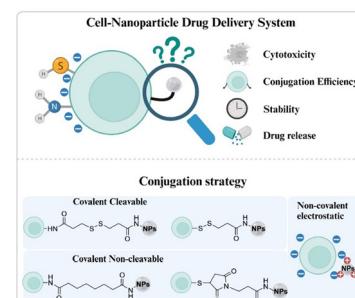


PAPERS

1546

The impact of conjugation strategies and linker density on the performance of the Spermine-AcDex nanoparticle–splenocyte conjugate

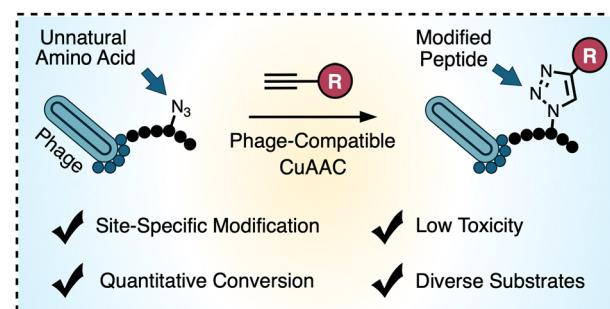
Yuchen Su, Ruoyu Cheng, Bowei Du, Mai O. Soliman, Hongbo Zhang and Shiqi Wang*



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Copper-catalysed azide–alkyne cycloaddition on live M13 bacteriophage for expanding the molecular diversity of phage-displayed peptide libraries

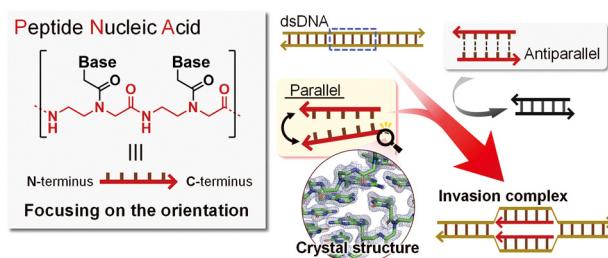
Olabode Dawodu, Cody A. White, Caitlin Specht, Alejandro Tapia and Jeffery M. Tharp*



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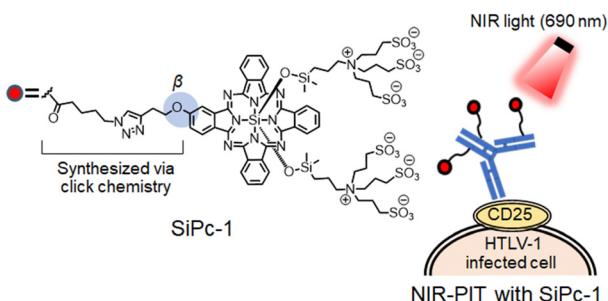
Peptide nucleic acids in parallel orientation form invasion complexes with double-stranded DNA

Masanari Shibata, Hiroshi Sugimoto, Masaki Hibino, Osami Shoji* and Yuichiro Aiba*



PAPERS

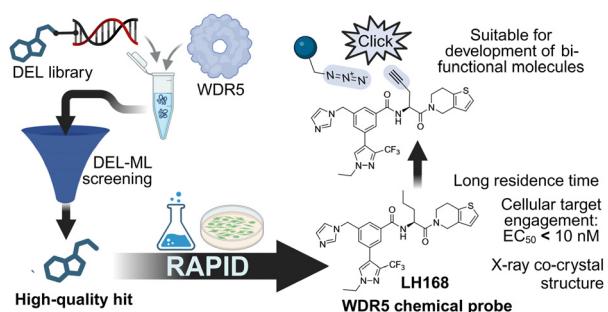
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Development of a silicon phthalocyanine analogue for near-infrared photoimmunotherapy and its application to HTLV-1-infected leukemic cells

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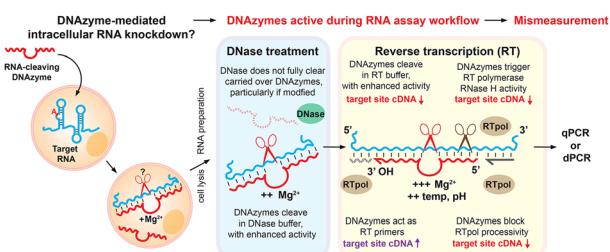
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Discovery of an exquisitely selective WDR5 chemical probe accelerated by a high-quality DEL-ML Hit

Lasse Hoffmann, Christopher Lenz, Frederic Farges, Serah W. Kimani, Johannes Dopfer, Sabrina Keller, Martin Peter Schwalm, Hanna Holzmann, Andreas Kraemer, Aiping Dong, Fengling Li, Irene Chau, Levon Halabelian, Matthias Gstaiger, Susanne Müller, Stefan Knapp* and Václav Němec*

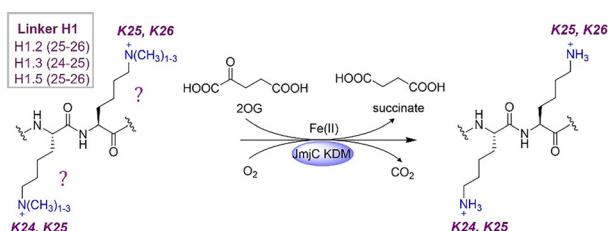
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Sources of mismeasurement of RNA knockdown by DNAzymes and XNAzymes

Maria J. Donde, Alicia Montulet and Alexander I. Taylor*

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Investigating the N-terminal linker histone H1 subtypes as substrates for JmjC lysine demethylases

Vildan A. Türkmen, Anthony Tumber, Eidarus Salah, Samanpreet Kaur, Christopher J. Schofield* and Jasmin Mecinović*

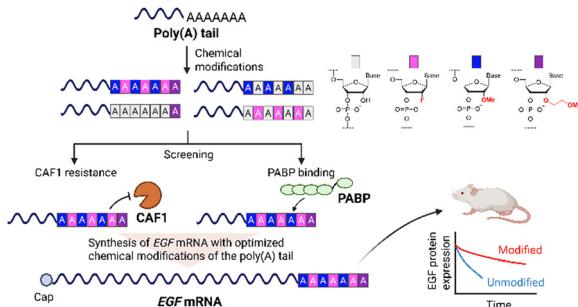


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Characterization of nuclease stability and poly(A)-binding protein binding activity of chemically modified poly(A) tail for *in vivo* applications

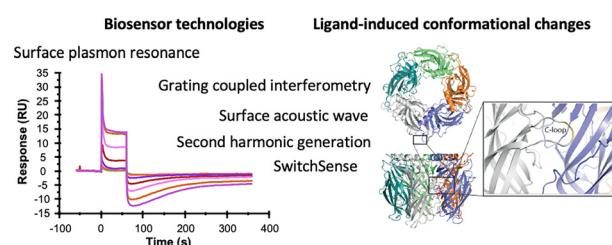
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Detection and characterisation of ligand-induced conformational changes in acetylcholine binding proteins using biosensors and X-ray crystallography

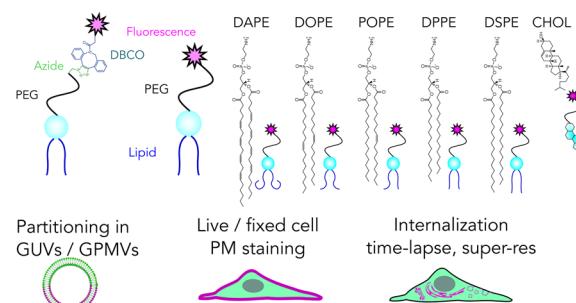
Edward A. FitzGerald, Daniela Cederfelt, Daria Kovryzhenko, Pierre Boronat, Bjarte Aarmo Lund, Doreen Dobritzsch, Sven Hennig, Pablo Porrasas Paseiro, Iwan J. P. de Esch and U. Helena Danielson*



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

Erdinc Sezgin



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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*

