

# RSC Chemical Biology

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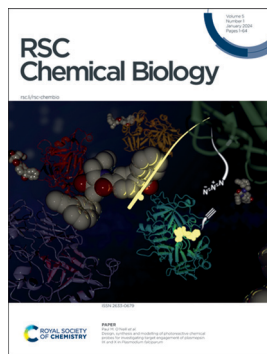
## IN THIS ISSUE

ISSN 2633-0679 CODEN RCBSAO 5(1) 1-64 (2024)



### Cover

See Martin Münzel, Akane Kawamura *et al.*, pp. 12-18.  
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### Inside cover

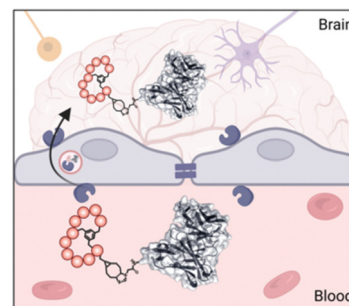
See Paul M. O'Neill *et al.*, pp. 19-29.  
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## COMMUNICATION

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### BrainBike peptidomimetic enables efficient transport of proteins across brain endothelium

Maria C. Lucana, Roberta Lucchi, Fabien Gosselet, Cristina Díaz-Perlas\* and Benjamí Oller-Salvia\*

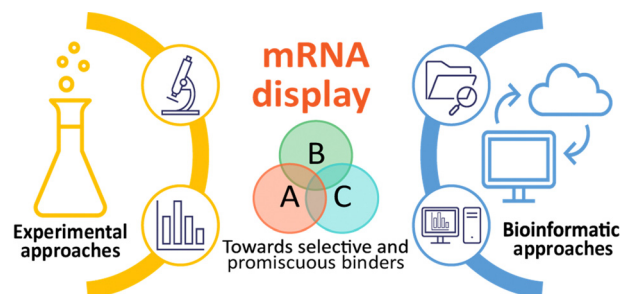


## PAPERS

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### Identification and engineering of potent cyclic peptides with selective or promiscuous binding through biochemical profiling and bioinformatic data analysis

Thomas P. Smith, Bhaskar Bhushan, Daniele Granata, Christian S. Kaas, Birgitte Andersen, Klaas W. Decoene, Qiansheng Ren, Haimo Liu, Xiping Qu, Yang Yang, Jia Pan, Quijia Chen, Martin Münzel\* and Akane Kawamura\*



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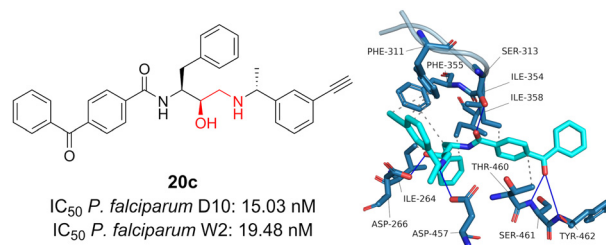
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### Design, synthesis and modelling of photoreactive chemical probes for investigating target engagement of plasmepsin IX and X in *Plasmodium falciparum*

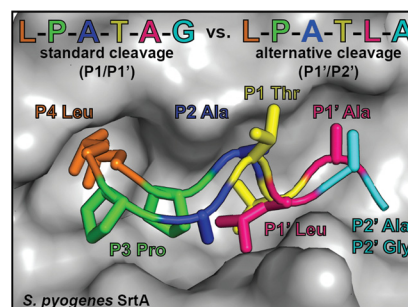
Monika Lisauskaitė, Gemma L. Nixon, Christopher M. Woodley, Neil G. Berry, Andy Coninckx, L. Charlie Qie, Suet C. Leung, Donatella Taramelli, Nicoletta Basilico, Silvia Parapini, Stephen A. Ward, Oscar Vadas, Dominique Soldati-Favre, W. David Hong and Paul M. O'Neill\*



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### A unique binding mode of P1' Leu-containing target sequences for *Streptococcus pyogenes* sortase A results in alternative cleavage

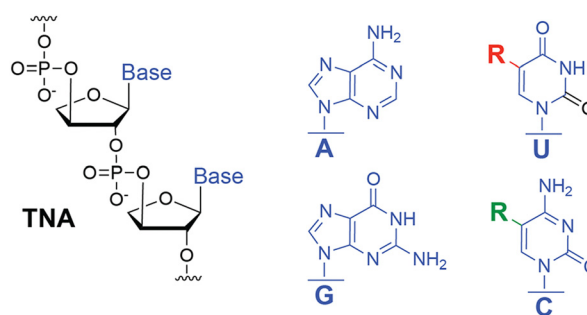
Brandon A. Vogel, Jadon M. Blount, Hanna M. Kodama, Noah J. Goodwin-Rice, Devin J. Andaluz, Sophie N. Jackson, John M. Antos\* and Jeanine F. Amacher\*



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### Increasing the functional density of threose nucleic acid

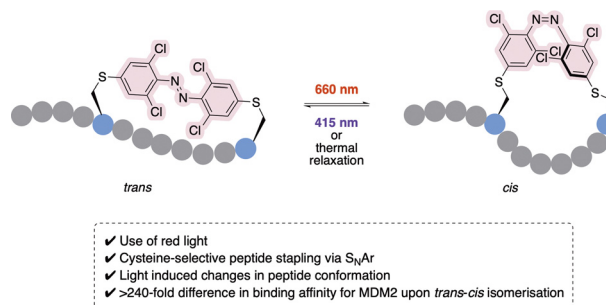
Biju Majumdar, Daisy Sarma, Yutong Yu, Adriana Lozoya-Colinas and John C. Chaput\*



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### Red-light modulated *ortho*-chloro azobenzene photoswitch for peptide stapling *via* aromatic substitution

Mia Kapun, F. Javier Pérez-Areales, Nicola Ashman, Pamela J. E. Rowling, Tim Schober, Elaine Fowler, Laura S. Itzhaki and David R. Spring\*



## A cell-permeable probe for the labelling of a bacterial glycosyltransferase and virulence factor

Yong Xu and Gerd K. Wagner\*

