

# RSC Chemical Biology

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### Cover

See Julio A. Camarero *et al.*, pp. 722–735. Image reproduced by permission of Eliza Wolfson from *RSC Chem. Biol.*, 2023, 4, 722.



### Inside cover

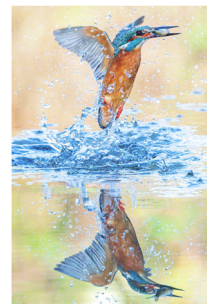
See Hannah J. Maple, George E. Kostakis, John Spencer *et al.*, pp. 716–721. Image reproduced by permission of John Spencer from *RSC Chem. Biol.*, 2023, 4, 716.

## OPINION

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### Chirality: a key parameter in chemical probes

Andrew McGown, Jordan Nafie, Mohammed Otayfah, Storm Hassell-Hart, Graham J. Tizzard, Simon J. Coles, Rebecca Banks, Graham P. Marsh, Hannah J. Maple,\* George E. Kostakis,\* Ilaria Proietti Silvestri, Paul Colbon and John Spencer\*

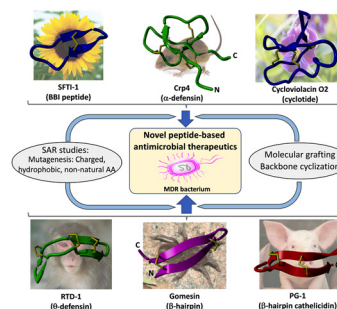


## REVIEWS

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### Resistance is futile: targeting multidrug-resistant bacteria with *de novo* Cys-rich cyclic polypeptides

Alvaro Mourenza, Rajasekaran Ganesan and Julio A. Camarero\*



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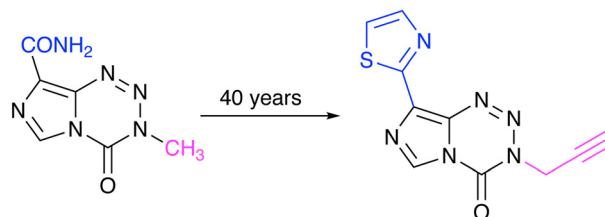


## REVIEWS

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## Antitumour imidazotetrazines: past, present... and future?

Malcolm F. G. Stevens\* and Richard T. Wheelhouse\*

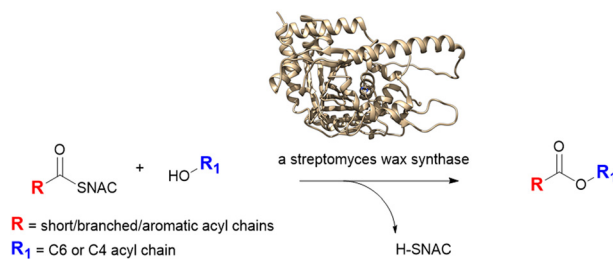


## COMMUNICATIONS

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Exploring a *Streptomyces* wax synthase using acyl-SNACs as donor substrates

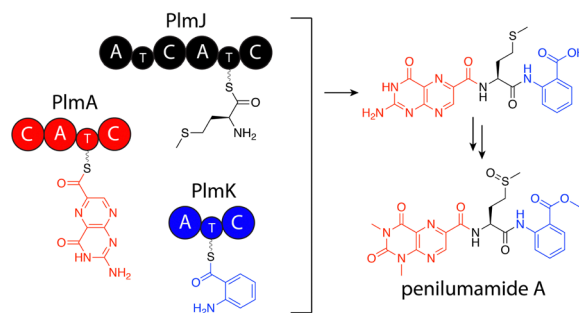
Federica Casolari, Saad Alrashdi, Reuben Carr and Hai Deng\*



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## Biosynthesis of the fungal nonribosomal peptide penilumamide A and biochemical characterization of a pterin-specific adenylation domain

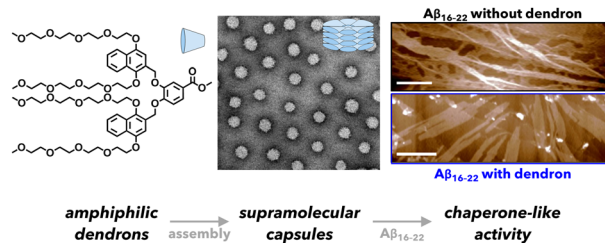
Stephanie C. Heard, Katharine L. Diehl and Jaclyn M. Winter\*



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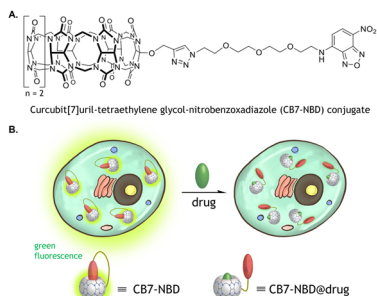
## Amphiphilic dendrons as supramolecular holdase chaperones

Elizabeth R. Piedmont, Erin E. Christensen, Todd D. Krauss and Benjamin E. Partridge\*



## COMMUNICATIONS

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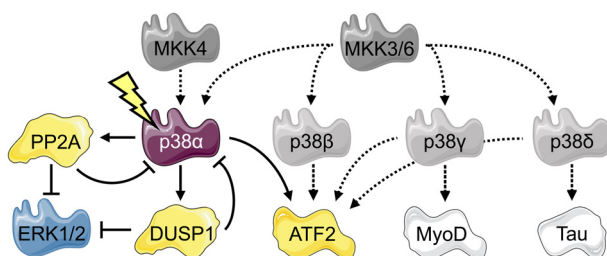


### Binding affinity-based intracellular drug detection enabled by a unimolecular cucurbit[7]uril-dye conjugate

Yanxi Liu, Changming Hu, Julian A. Serna, Frank Biedermann\* and Pavel A. Levkin\*

## PAPERS

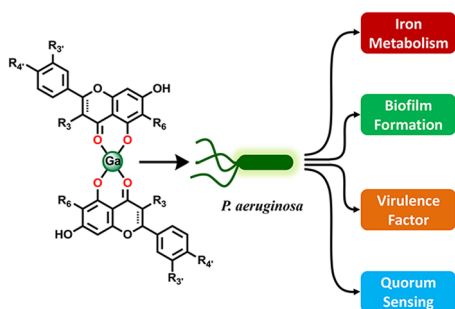
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### Isoform-specific optical activation of kinase function reveals p38-ERK signaling crosstalk

Wenyuan Zhou, Amy Ryan, Chasity P. Janosko, Karsen E. Shoger, Jason M. Haugh, Rachel A. Gottschalk and Alexander Deiters\*

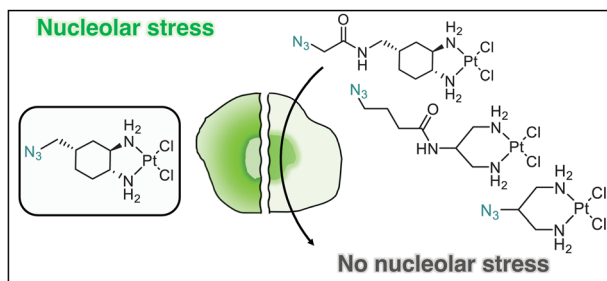
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### Dual-action gallium-flavonoid compounds for combating *Pseudomonas aeruginosa* infection

Xiaojun He, Bingjie Han, Runming Wang, Yu Guo, Richard Y T Kao, Hongyan Li, Hongzhe Sun\* and Wei Xia\*

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### Comparison of click-capable oxaliplatin and cisplatin derivatives to better understand Pt(II)-induced nucleolar stress

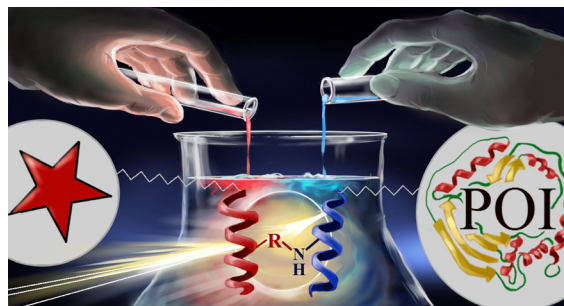
Andres S. Guerrero, Paul D. O'Dowd, Hannah C. Pigg, Katelyn R. Alley, Darren M. Griffith and Victoria J. DeRose\*



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### Bind&Bite: covalently stabilized heterodimeric coiled-coil peptides for the site-selective, cysteine-free chemical modification of proteins

Jannis Beutel, Pierre Tannig, Riccardo Di Vincenzo, Thomas Schumacher, Klaus Überla and Jutta Eichler\*



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### RiPP enzyme heterocomplex structure-guided discovery of a bacterial borosin $\alpha$ -*N*-methylated peptide natural product

K. K. Crone, T. Jomori, F. S. Miller, J. A. Gralnick, M. H. Elias and M. F. Freeman\*

