

# RSC Chemical Biology

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## IN THIS ISSUE

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### Cover

See Hans-Achim Wagenknecht *et al.*, pp. 1037–1042.  
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### Inside cover

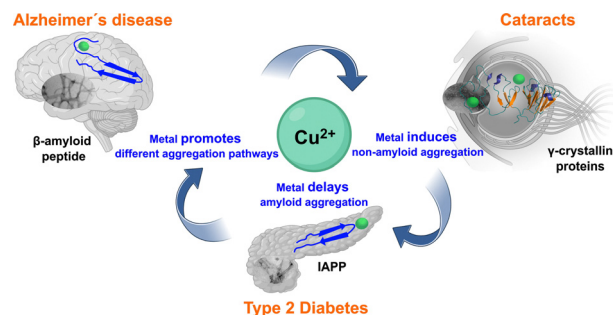
See Yvonne Mast *et al.*, pp. 1050–1063.  
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Photograph of *Streptomyces* colony by Felix Gonther.

## OPINION

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### Copper binding and protein aggregation: a journey from the brain to the human lens

Yanahi Posadas, Carolina Sánchez-López and Liliana Quintanar\*

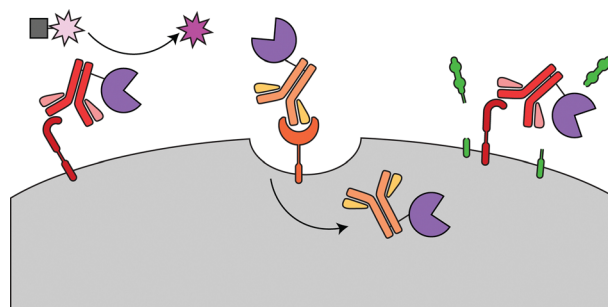


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### Bringing enzymes to the proximity party

Gabrielle S. Tender and Carolyn R. Bertozzi\*



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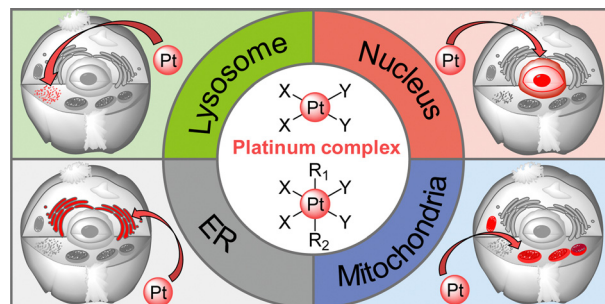


## REVIEWS

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### Unlocking the potential of platinum drugs: organelle-targeted small-molecule platinum complexes for improved anticancer performance

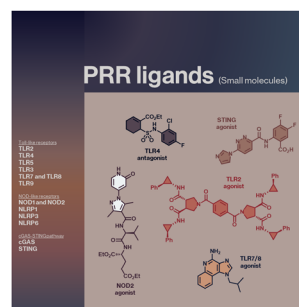
Zhiqin Deng, Shu Chen, Gongyuan Liu and Guangyu Zhu\*



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### Small molecule modulators of immune pattern recognition receptors

Taku Tsukidate, Charles W. Hespden and Howard C. Hang\*

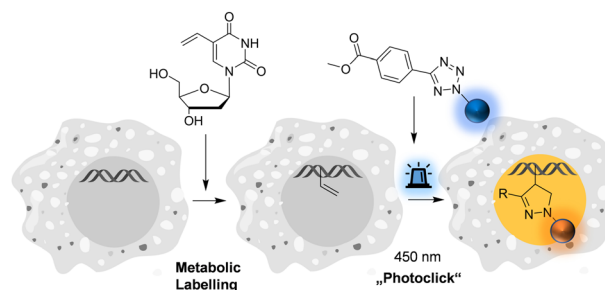


## COMMUNICATIONS

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### Metabolic labelling of DNA in cells by means of the "photoclick" reaction triggered by visible light

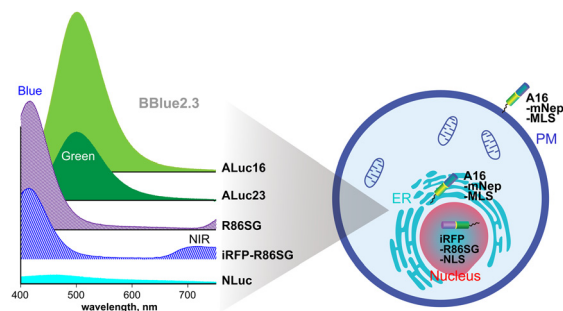
Lisa Rieger, Bastian Pfeuffer and Hans-Achim Wagenknecht\*



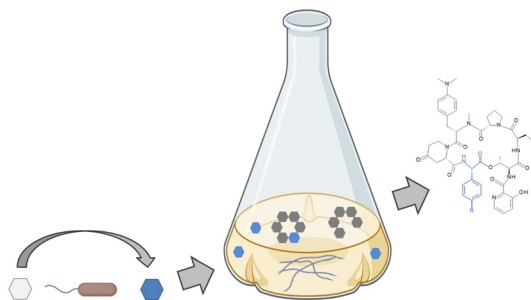
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### Single-chain multicolor-reporter templates for subcellular localization of molecular events in mammalian cells

Sung-Bae Kim,\* Ramasamy Paulmurugan, Nobuo Kitada and Sojiro A. Maki



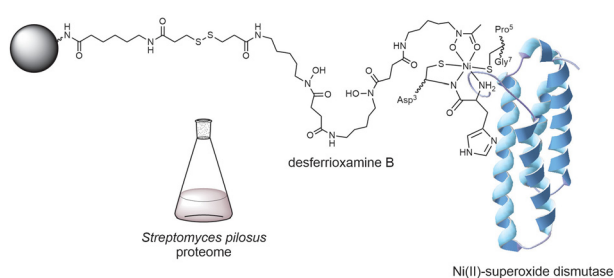
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### Biotransformation-coupled mutasynthesis for the generation of novel pristinomycin derivatives by engineering the phenylglycine residue

Oliver Hennrich, Leoni Weinmann, Andreas Kulik, Karen Harms, Philipp Klahn, Jung-Won Youn, Frank Surup and Yvonne Mast\*

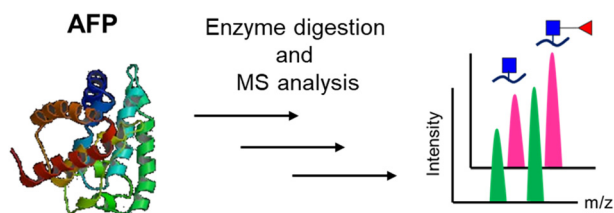
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### Reduction-cleavable desferrioxamine B pull-down system enriches Ni(II)-superoxide dismutase from a *Streptomyces* proteome

Jenny Ni, James L. Wood, Melanie Y. White, Norbert Lihi, Todd E. Markham, Joseph Wang, Peter T. Chivers and Rachel Codd\*

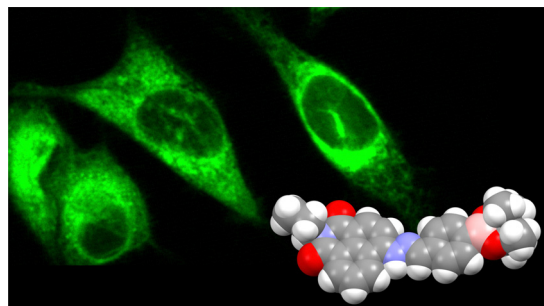
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### Quantitative mass spectrometric analysis of hepatocellular carcinoma biomarker alpha-fetoprotein

Chen-Chun Chen, Han-Wen Huang, Bo-Rui Chen and Chi-Huey Wong\*

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### Fluorescent naphthalimide boronates as theranostics: structural investigations, confocal fluorescence and multiphoton fluorescence lifetime imaging microscopy in living cells

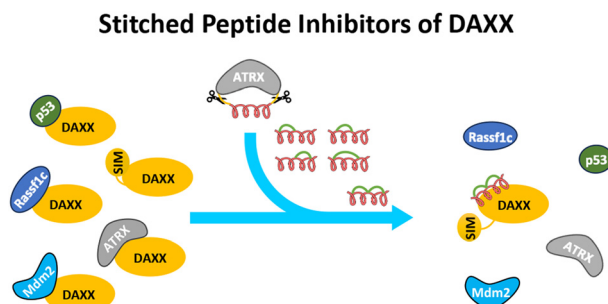
Megan J. Green, Haobo Ge, Stephen E. Flower, Charareh Pourzand, Stanley W. Botchway, Hui-Chen Wang, Navaratnarajah Kuganathan, Gabriele Kociok-Köhn, Meng Li, Suying Xu,\* Tony D. James\* and Sofia I. Pascu\*



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## Stitched peptides as potential cell permeable inhibitors of oncogenic DAXX protein

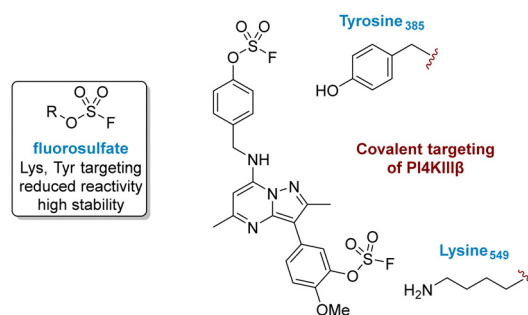
Clare Jelinska,\* Srinivasaraghavan Kannan, Yuri Frosi, Siti Radhiah Ramlan, Fernaldo Winnerdy, Rajamani Lakshminarayanan, Charles W Johannes, Christopher J Brown, Anh-Tuan Phan, Daniela Rhodes and Chandra S Verma\*



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## Covalent targeting of non-cysteine residues in PI4KIII $\beta$

Brett Cosgrove, Emma K. Grant, Sophie Bertrand, Kenneth D. Down, Don O. Somers, John P. Evans, Nicholas C. O. Tomkinson\* and Michael D. Barker\*



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## An enhanced biophysical screening strategy to investigate the affinity of ASOs for their target RNA

Rouven Stulz, Michael Lerche, Olivia Luige, Agnes Taylor, Stefan Geschwindner and Alice Ghidini\*

