

# RSC Chemical Biology

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## IN THIS ISSUE

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### Cover

See Tia E. Keyes  
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## EDITORIAL

1364

### Introduction to “Biomolecular Technologies”

Sheel C. Dodani\* and Ariel Furst\*

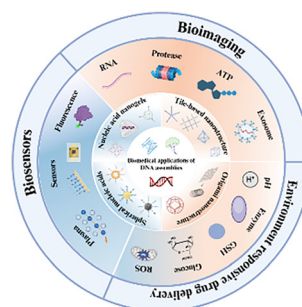


## REVIEW

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### Advances in programmable DNA nanostructures enabling stimuli-responsive drug delivery and multimodal biosensing

Yao Hong, Wenyue Ma, Meixia Wang\* and Hong-Hui Wang\*



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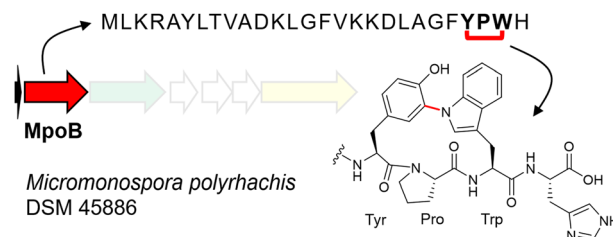


## COMMUNICATIONS

1386

### P450 cytochrome synthase MpoB catalyzes the cross-linking of the YPW motif on the precursor peptide

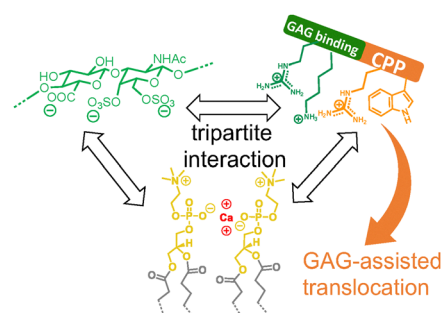
Abujunaid Habib Khan, Jabal Rahmat Haedar, Vic Kiselov, Viktors Romanuks, Gints Smits, Stefano Donadio and Chin-Soon Phan\*



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### Translocation of penetratin-like peptides involving calcium-dependent interactions between glycosaminoglycans and phosphocholine headgroups of the membrane lipid bilayer

Bingwei He, Sonia Khemaissa, Sébastien Cardon, Rodrigue Marquant, Françoise Illien, Delphine Ravault, Fabienne Burlina, Emmanuelle Sachon, Astrid Walrant and Sandrine Sagan\*

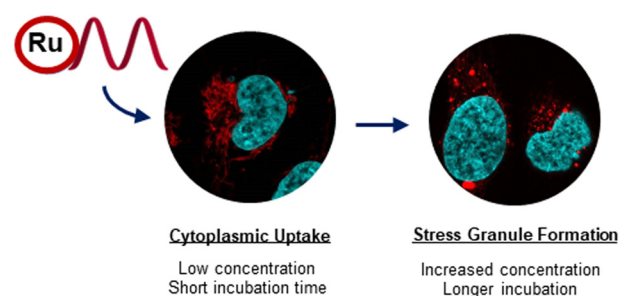


## PAPERS

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### Visualizing stress granule dynamics with an RNA guanine quadruplex targeted ruthenium(II) peptide conjugate

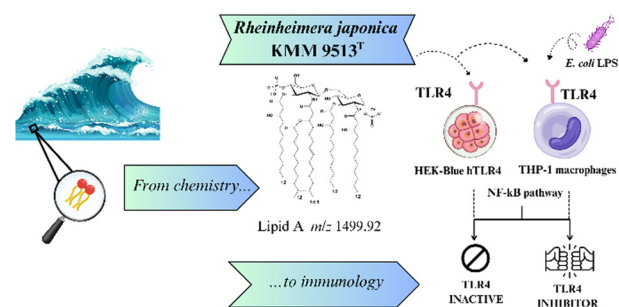
Rhianne C. Curley, Lorcan Holden and Tia E. Keyes\*



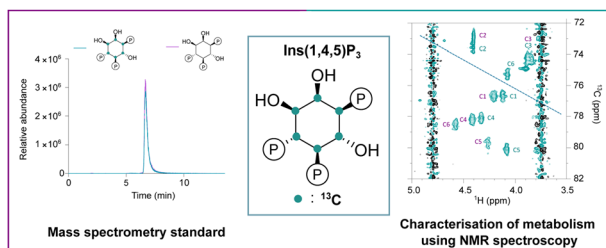
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### Signals from the sea: the structural peculiarity of lipid A and weak immunostimulatory lipopolysaccharide from *Rheinheimera japonica*

Stefania De Chiara, Francesca Olmeo, Emanuela Andretta, Luca De Simone Carone, Marcello Mercogliano, Vlada S. Belova, Lyudmila A. Romanenko, Maxim S. Kokoulin, Alba Silipo, Antonio Molinaro and Flaviana Di Lorenzo\*



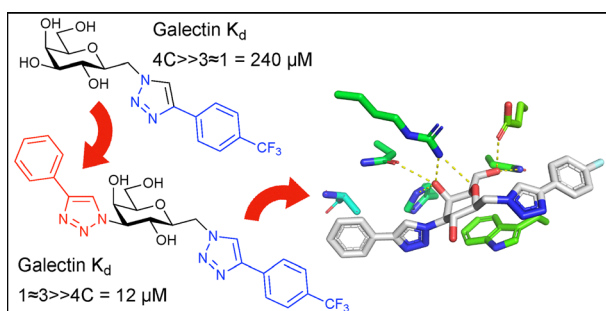
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### Semi-enzymatic synthesis and application of $^{13}\text{C}$ -isotopically labelled inositol-(1,4,5)-trisphosphate

Atharva Patharkar, Meike Amma, Jaime Isern, Zoé Chaudron, Angélique Besson-Bard, Valérie Nicolas-Francès, Claire Rosnoblet, David Wendehenne, Peter Schmieler and Dorothea Fiedler\*

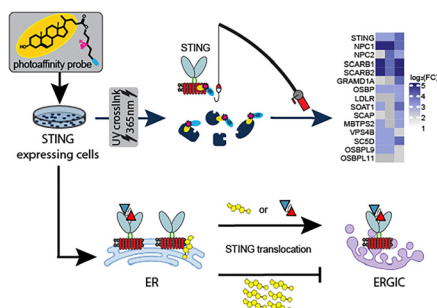
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### Synergy of triazolyl substituents at C1 and C3 of galactose for high-affinity and selective galectin-4C inhibition

Alexander Dahlqvist, Rob Marc Go, Chandan Kishor, Hakon Leffler, Helen Blanchard\* and Ulf J. Nilsson\*

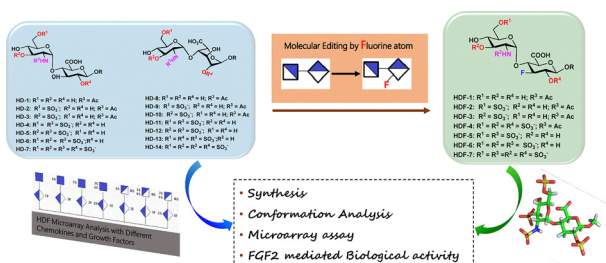
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### Defining STING–sterol interactions with chemoproteomics

Ian Ford, Miranda Villanueva, Min Sub Lee, Quan D. Zhou, Constance Yuen, Robert Damoiseaux, Steven J. Bensing\* and Kerriann M. Backus\*

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### Unravelling structure–function interactions between fluorinated heparan sulfate mimetics and signaling proteins

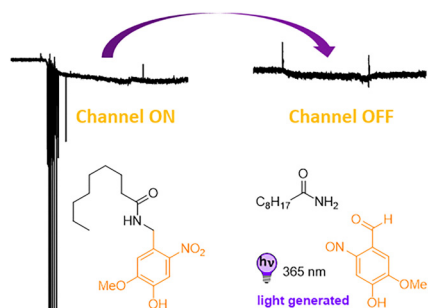
Virendrasinh Mahida, Rakesh Raigawali, Paula González, Ana Gimeno, Shani Leviatan Ben-Arye, Saurabh Anand, Sandhya Mardhekar, Jesús Jiménez-Barbero,\* Vered Padler-Karavani\* and Raghavendra Kikkeri\*



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### Photoactivatable and photolabile pharmacophores: lessons learned from capsaicin

Nils Imse, Lucia Rojas, Cristina Gil Herrero, Sebastian Thallmair, JeongSeop Rhee\* and Nadja A. Simeth\*



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### Exploring the significance of palmitoylation using an artificial protein lipidation system

Kazuki Uchida, Naofumi Shimokawa, Rie Wakabayashi, Shohei Shiimoto, Kiyohiro Toyofuku, Nozomu Ogushi, Masahiro Goto, Masaru Tanaka, Masahiro Takagi and Noriho Kamiya\*

