

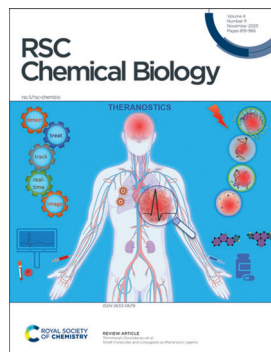
# RSC Chemical Biology

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## IN THIS ISSUE

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### Cover

See Thimmaiah Govindaraju *et al.*, pp. 826–849.  
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### Inside cover

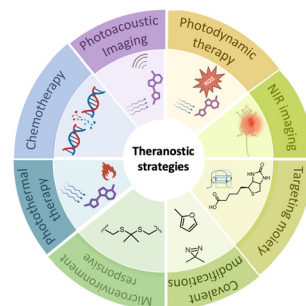
See Jian Jeffery Chen, Michael J. Bollong *et al.*, pp. 894–905.  
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## REVIEWS

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### Small molecules and conjugates as theranostic agents

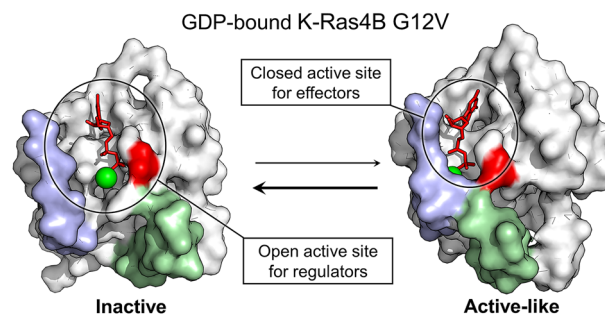
Sumon Pratihara, Krithi K. Bhagavath and Thimmaiah Govindaraju\*



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### Protein conformational ensembles in function: roles and mechanisms

Ruth Nussinov,\* Yonglan Liu, Wengang Zhang and Hyunbum Jang



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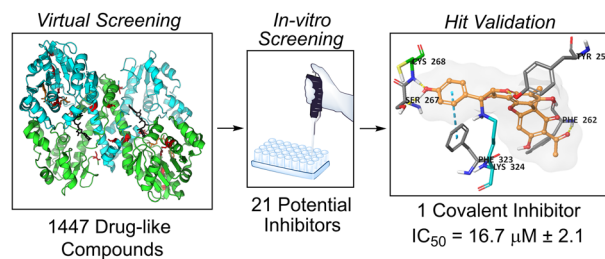


## COMMUNICATIONS

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### Virtual screening, identification and *in vitro* validation of small molecule GDP-mannose dehydrogenase inhibitors

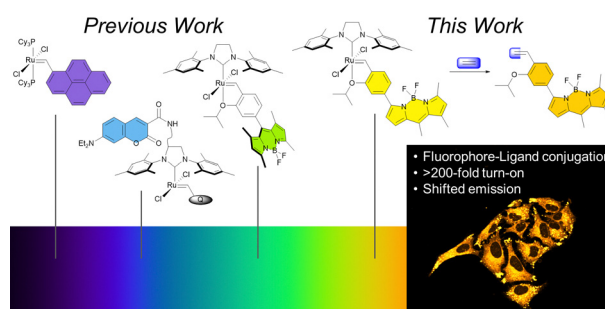
Jonathan P. Dolan, Sanaz Ahmadipour, Alice J. C. Wahart, Aisling Ní Cheallaigh, Suat Sari, Chatchakorn Eurtivong, Marcelo A. Lima, Mark A. Skidmore, Konstantin P. Volcho, Jóhannes Reynisson, Robert A. Field and Gavin J. Miller\*



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### Red-shifted activity-based sensors for ethylene via direct conjugation of fluorophore to metal–carbene

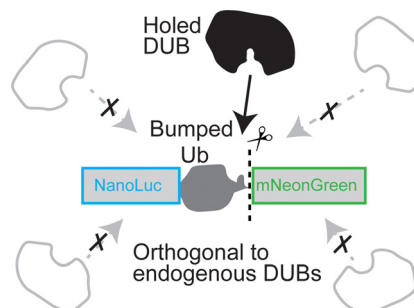
Nicholas J. Dacon, Nathan B. Wu and Brian W. Michel\*



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### A strategy for orthogonal deubiquitination using a bump-and-hole approach

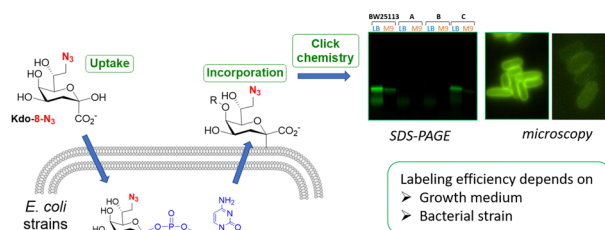
Takumi Suzuki, Yuki Utsugi, Satoshi Yamanaka, Hirotaka Takahashi, Yusuke Sato, Tatsuya Sawasaki and Yusaku Miyamae\*



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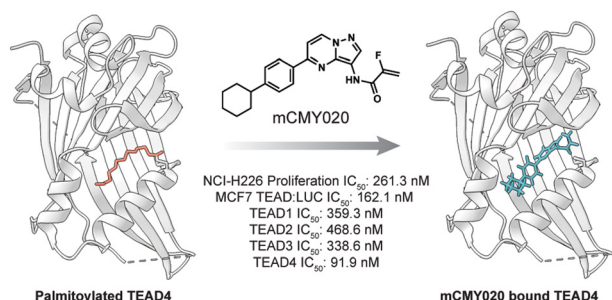
### Evaluation of Kdo-8- $N_3$ incorporation into lipopolysaccharides of various *Escherichia coli* strains

Zeynep Su Ziyilan, Geert-Jan de Putter, Meike Roelofs, Jan Maarten van Dijk, Dirk-Jan Scheffers and Marthe T. C. Walvoort\*



## PAPERS

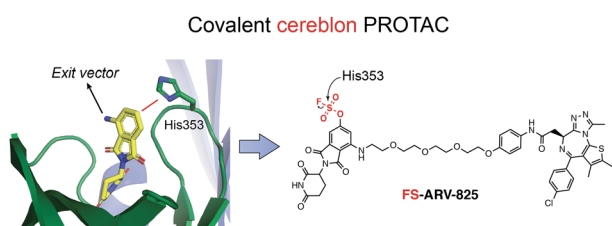
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### A covalent inhibitor of the YAP–TEAD transcriptional complex identified by high-throughput screening

Kayla Nutsch, Lirui Song, Emily Chen, Mitchell Hull, Arnab K. Chatterjee, Jian Jeffery Chen\* and Michael J. Bollong\*

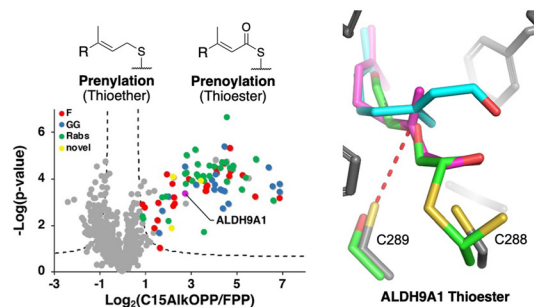
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### Development of a covalent cereblon-based PROTAC employing a fluorosulfate warhead

Radostaw P. Nowak,\* Leah Ragosta, Fidel Huerta, Hu Liu, Scott B. Ficarro, Justin T. Cruite, Rebecca J. Metivier, Katherine A. Donovan, Jarrod A. Marto, Eric S. Fischer, Breanna L. Zervas and Lyn H. Jones\*

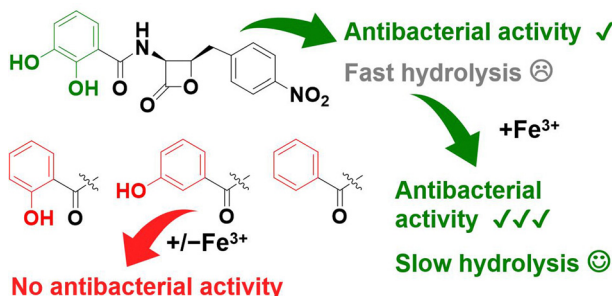
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### Thinking outside the CaaX-box: an unusual reversible prenylation on ALDH9A1

Kiall F. Suazo, Jakub Běliček, Garrett L. Schey, Shelby A. Auger, Alexandru M. Petre, Ling Li, Katarzyna M. Błazewska, David Kopečný and Mark D. Distefano\*

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### The catechol moiety of obafluorin is essential for antibacterial activity

Sibyl F. D. Batey, Melissa J. Davie, Edward S. Hems, Jonathon D. Liston, Thomas A. Scott, Silke Alt, Christopher S. Francklyn and Barrie Wilkinson\*

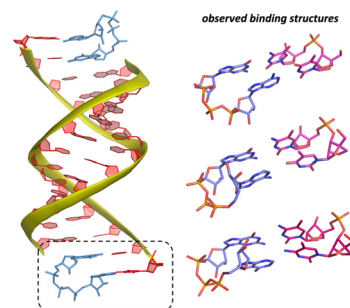


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**Insight into the structures of unusual base pairs in RNA complexes containing a primer/template/adenosine ligand**

Yuliya Dantsu, Ying Zhang and Wen Zhang\*



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**Advantages and challenges associated with bisulfite-assisted nanopore direct RNA sequencing for modifications**

Aaron M. Fleming,\* Judy Zhu, Vilhelmina K. Done and Cynthia J. Burrows\*

