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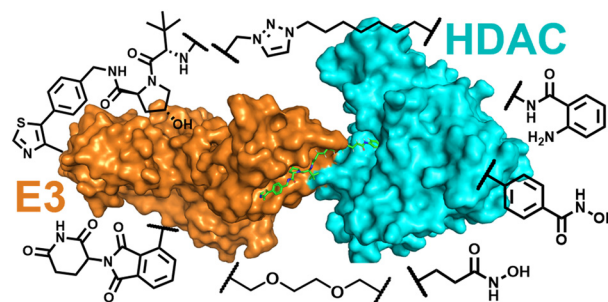
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### PROTAC chemical probes for histone deacetylase enzymes

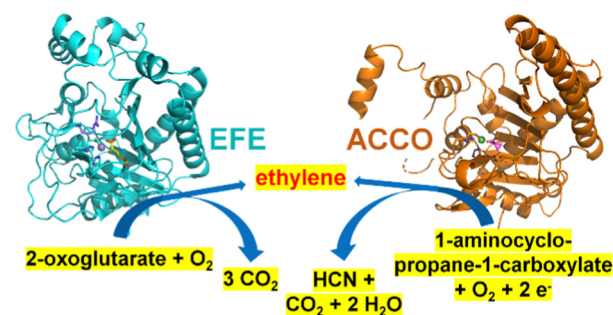
Urvashi Patel, Joshua P. Smalley and  
James T. Hodgkinson\*



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### Biological formation of ethylene

Robert P. Hausinger,\* Simahudeen Bathir J. S. Rifayee,  
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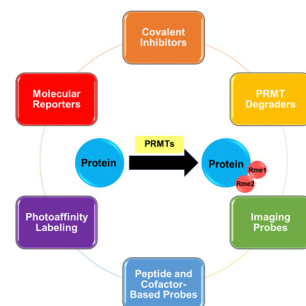


## REVIEWS

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## Chemical probes and methods for the study of protein arginine methylation

Tyler Brown, Terry Nguyen, Bo Zhou and Y. George Zheng\*

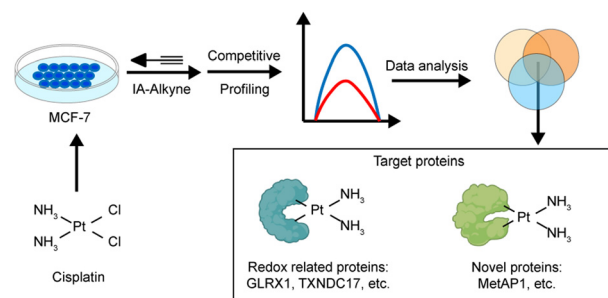


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## Discovery of cisplatin-binding proteins by competitive cysteinome profiling

Xianghe Wang, Yihai Zhang and Chu Wang\*

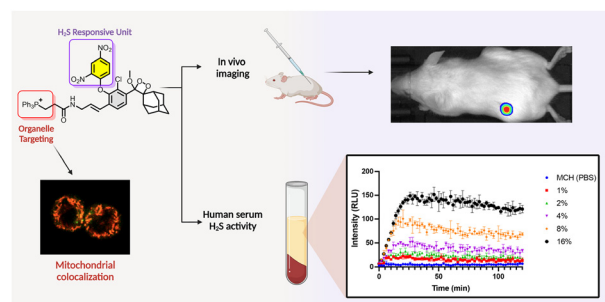


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A mitochondria-targeted chemiluminescent probe for detection of hydrogen sulfide in cancer cells, human serum and *in vivo*

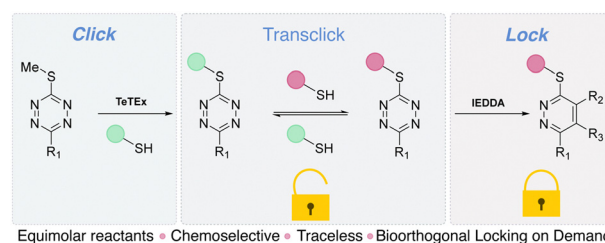
Hande Gunduz, Toghrul Almammadov, Musa Dirak, Alperen Acari, Berkan Bozkurt and Safacan Kolenen\*



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## Click'n lock: rapid exchange between unsymmetric tetrazines and thiols for reversible, chemoselective functionalisation of biomolecules with on-demand bioorthogonal locking

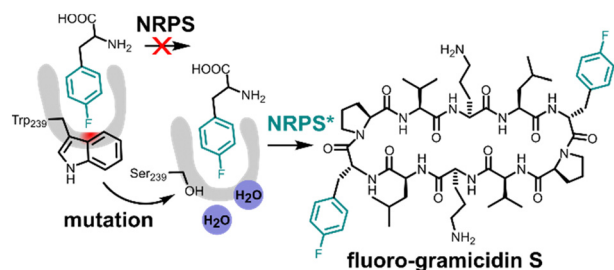
Katerina Gavriel, Dustin C. A. van Doeselaar, Daniëlle W. T. Geers and Kevin Neumann\*



Equimolar reactants • Chemoselective • Traceless • Bioorthogonal Locking on Demand



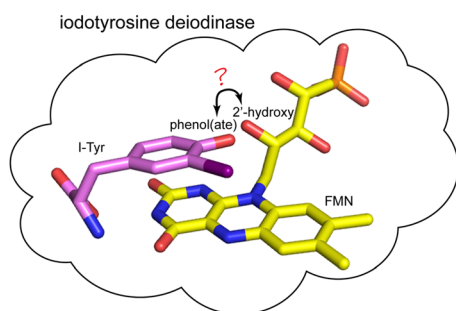
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### Biosynthetic incorporation of fluorinated amino acids into the nonribosomal peptide gramicidin S

Maximilian Müll, Farzaneh Pourmasoumi, Leon Wehrhan, Olena Nosovska, Philipp Stephan, Hannah Zeihe, Ivan Vilotijevic, Bettina G. Keller and Hajo Kries\*

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### The 2'-hydroxy group of flavin mononucleotide influences the catalytic function and promiscuity of the flavoprotein iodotyrosine dehalogenase

Anton Kozyryev, Petrina A. Boucher, Carla M. Quiñones-Jurgensen and Steven E. Rokita\*

