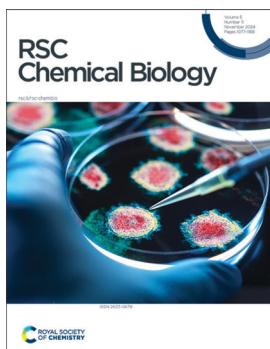


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ISSN 2633-0679 CODEN RCBSAO 5(11) 1077–1188 (2024)



### Cover

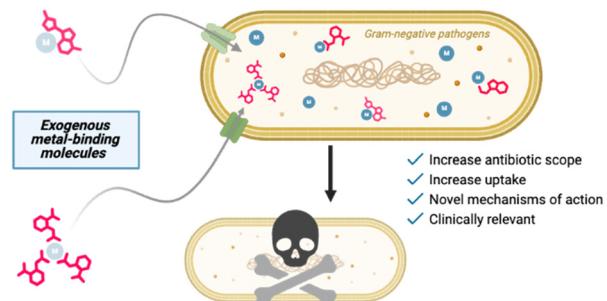
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## REVIEW

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### Metal chelation as an antibacterial strategy for *Pseudomonas aeruginosa* and *Acinetobacter baumannii*

Martina M. Golden, Amelia C. Heppe,  
Cassandra L. Zaremba\* and William M. Wuest\*

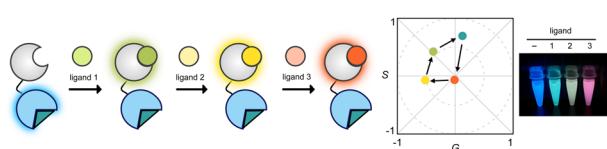


## COMMUNICATION

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### A versatile bioluminescent probe with tunable color

Zachary R. Torrey, Lila P. Halbers, Lorenzo Scipioni,  
Giulia Tedeschi, Michelle A. Digman\* and  
Jennifer A. Prescher\*



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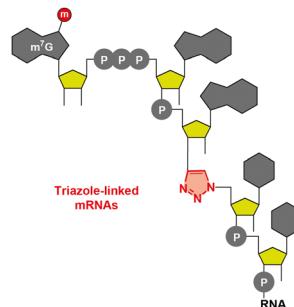
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## PAPERS

1104

## Access to capped RNAs by chemical ligation

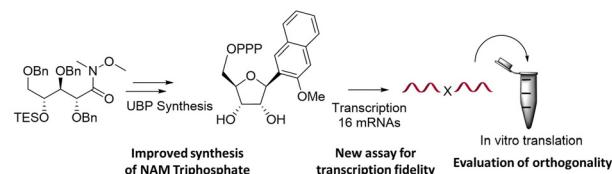
Karolina Bartosik and Ronald Micura\*



1111

Improved synthesis of the unnatural base NaM, and evaluation of its orthogonality in *in vitro* transcription and translation

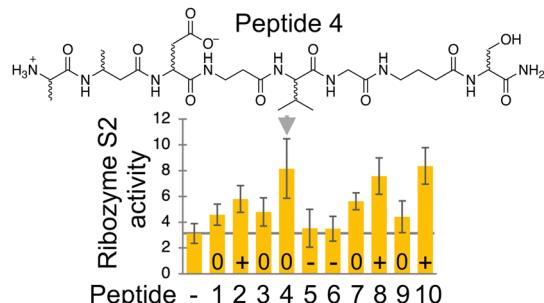
Anthony V. Le and Matthew C. T. Hartman\*



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## Weak effects of prebiotically plausible peptides on self-triphosphorylation ribozyme function

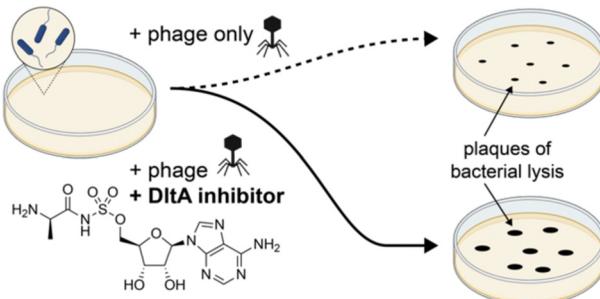
Joshua T. Arriola, Shayan Poordian, Estefanía Martínez Valdivia, Tommy Le, Luke J. Leman, Joan G. Schellinger and Ulrich F. Müller\*



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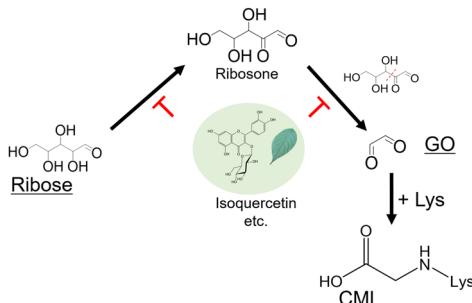
## Chemical inhibition of cell surface modification sensitizes bacteria to phage infection

Marian Aba Addo, Zhiyu Zang and Joseph P. Gerdt\*



## PAPERS

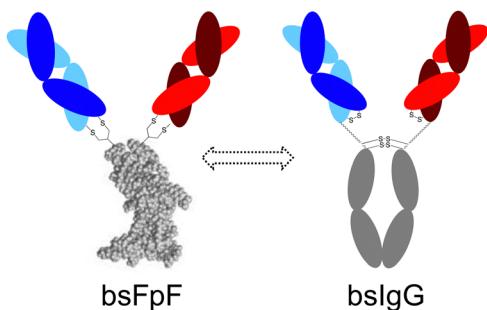
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### Rapid formation of *N*<sup>ε</sup>-(carboxymethyl)lysine (CML) from ribose depends on glyoxal production by oxidation

Hikari Sugawa, Tsuyoshi Ikeda, Yuki Tominaga, Nana Katsuta and Ryoji Nagai\*

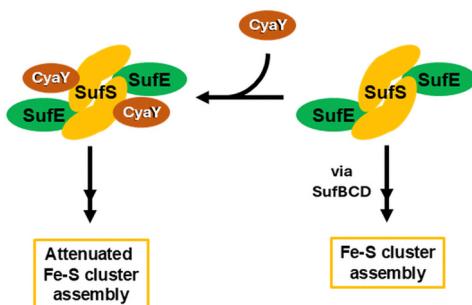
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### Bispecific FpFs: a versatile tool for preclinical antibody development

Matthew Collins, Nkiru Ibeantu, Wiktoria Roksana Grabowska, Sahar Awwad, Peng T. Khaw, Steve Brocchini and Hanieh Khalili\*

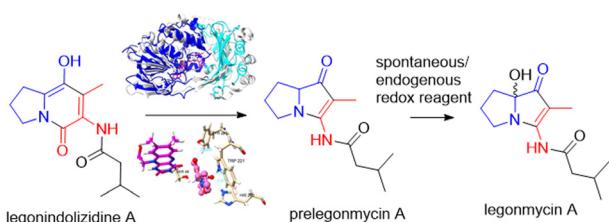
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### CyaY and TusA regulate ISC- and SUF-mediated L-cysteine desulfurase activity

Paolo Olivieri, Jason C. Crack, Angelika Lehmann, Nick E. Le Brun\* and Silke Leimkühler\*

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### Characterization of the Baeyer–Villiger monooxygenase in the pathway of the bacterial pyrrolizidine alkaloids, legonmycins

Shan Wang,\* Fleurdeliz Maglangit, Qing Fang, Kwaku Kyeremeh and Hai Deng\*

