

## IN THIS ISSUE

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### Cover

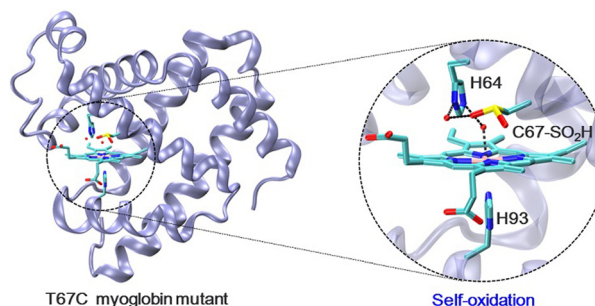
See Xue Zhi Zhao *et al.*, pp. 334-343.  
Image designed and illustrated by Joseph Meyer, SPMG, Frederick National Laboratory for Cancer Research.

## COMMUNICATION

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### Self-oxidation of cysteine to sulfinic acid in an engineered T67C myoglobin: structure and reactivity

Wei Dai, Hong Yuan, Xiao-Juan Wang, Shu-Qin Gao, Xiangshi Tan and Ying-Wu Lin\*

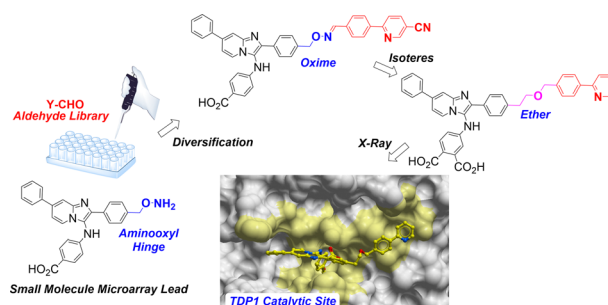


## PAPERS

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### Identification of multidentate tyrosyl-DNA phosphodiesterase 1 (TDP1) inhibitors that simultaneously access the DNA, protein and catalytic-binding sites by oxime diversification

Xue Zhi Zhao,\* Wenjie Wang, George T. Lountos, Evgeny Kiselev, Joseph E. Tropea, Danielle Needle, Yves Pommier and Terrence R. Burke, Jr.



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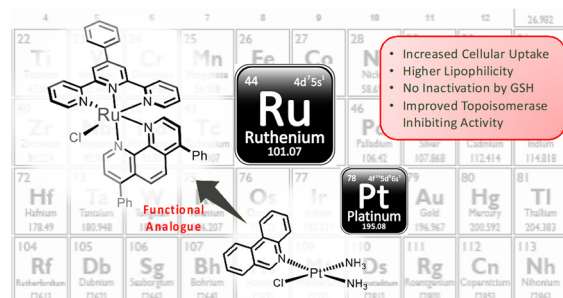


## PAPERS

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### A monoadduct generating Ru(II) complex induces ribosome biogenesis stress and is a molecular mimic of phenanthriplatin

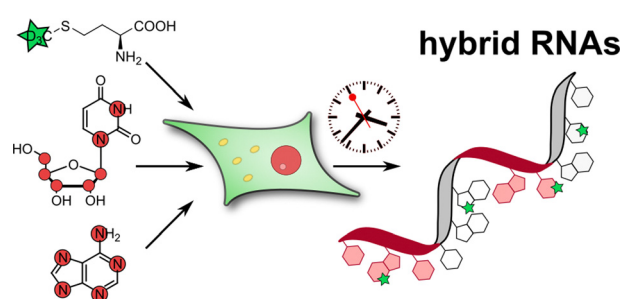
Richard J. Mitchell, Sarah M. Kriger, Alexander D. Fenton, Dmytro Havrylyuk, Ankit Pandeya, Yang Sun, Tami Smith, Jason E. DeRouchey, Jason M. Unrine, Viral Oza, Jessica S. Blackburn, Yinan Wei, David K. Heidary\* and Edith C. Glazer\*



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### Temporal resolution of NAIL-MS of tRNA, rRNA and Poly-A RNA is overcome by actinomycin D

Felix Hagelskamp, Kayla Borland, Gregor Ammann and Stefanie M. Kaiser\*



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### Methylated guanosine and uridine modifications in *S. cerevisiae* mRNAs modulate translation elongation

Joshua D. Jones, Monika K. Franco, Tyler J. Smith, Laura R. Snyder, Anna G. Anders, Brandon T. Ruotolo, Robert T. Kennedy and Kristin S. Koutmou\*

