

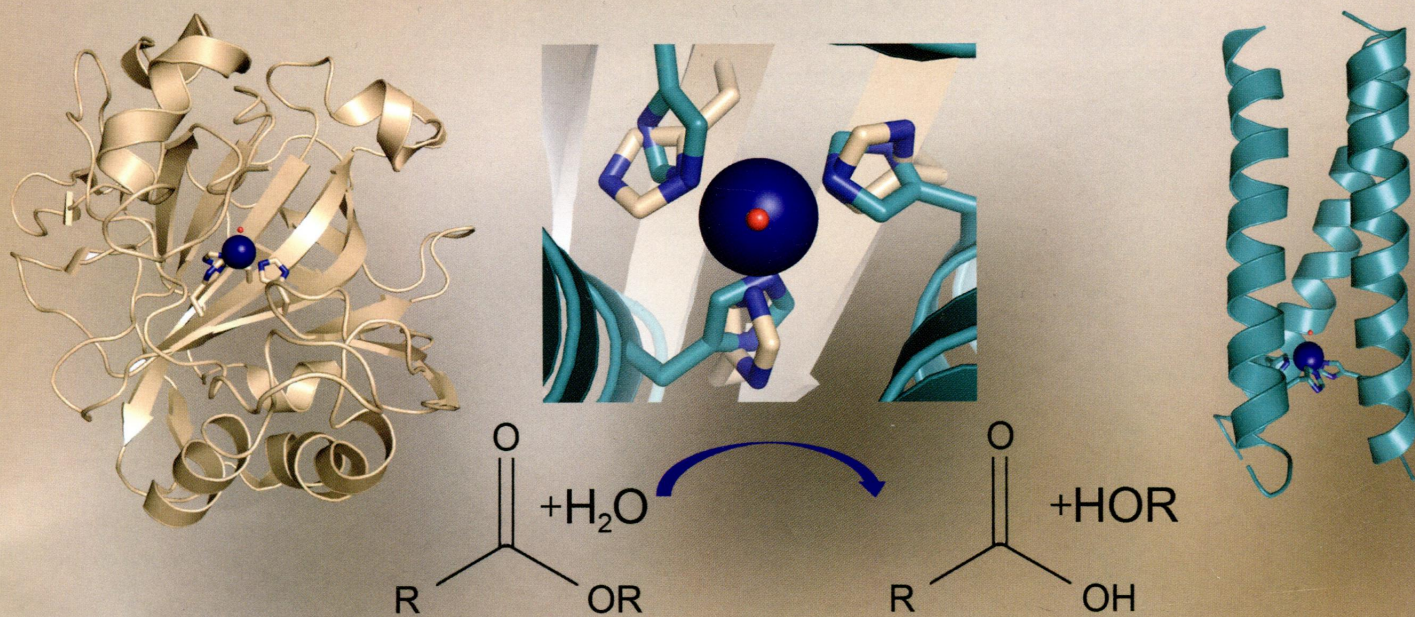
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ON THE COVER: Using de novo and redesign approaches toward the preparation of structural and functional models of hydrolytic zinc metalloenzymes. [Zastrow, M. L., and Pecoraro, V. L. (2014) *Biochemistry* 53, 957–978]

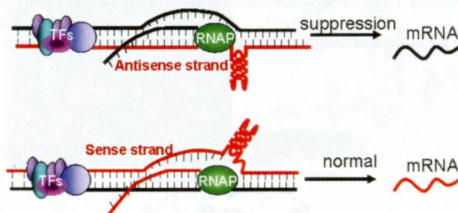
Articles

3711 **S**

[dx.doi.org/10.1021/bi401451q](https://doi.org/10.1021/bi401451q)

In the Sense of Transcription Regulation by G-Quadruplexes: Asymmetric Effects in Sense and Antisense Strands

Tani Agarwal, Saumya Roy, Santosh Kumar, Tushar Kanti Chakraborty,* and Souvik Maiti*

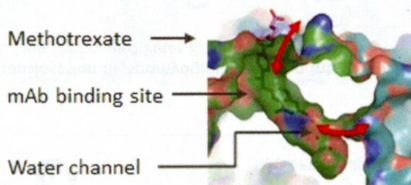


3719

[dx.doi.org/10.1021/bi5001382](https://doi.org/10.1021/bi5001382)

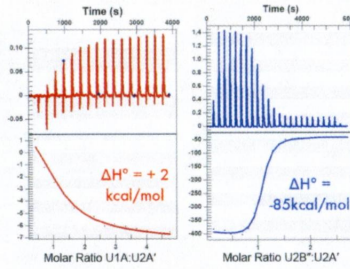
Water Channel in the Binding Site of a High Affinity Anti-Methotrexate Antibody

Susan Gayda, Kenton L. Longenecker, Sharmila Manoj, Russell A. Judge, Sylvia C. Saldana, Qiaoqiao Ruan, Kerry M. Swift, and Sergey Y. Tetin*



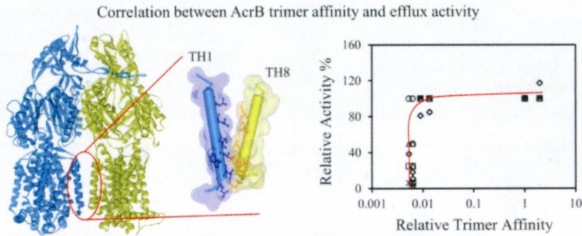
Binding Affinity and Cooperativity Control U2B⁺/snRNA/U2A⁺ RNP Formation

Sandra G. Williams and Kathleen B. Hall*



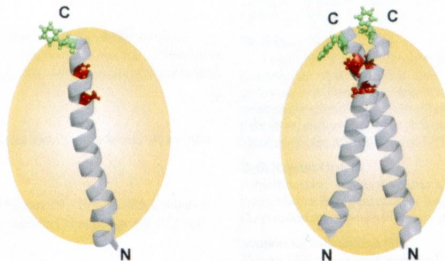
Correlation between AcrB Trimer Association Affinity and Efflux Activity

Cui Ye, Zhaoshuai Wang, Wei Lu, Meng Zhong, Qian Chai, and Yanan Wei*



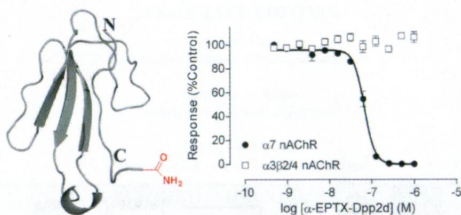
Terminal Residue Hydrophobicity Modulates Transmembrane Helix–Helix Interactions

Derek P. Ng and Charles M. Deber*



Isolation and Structural and Pharmacological Characterization of α -Elapitoxin-Dpp2d, an Amidated Three Finger Toxin from Black Mamba Venom

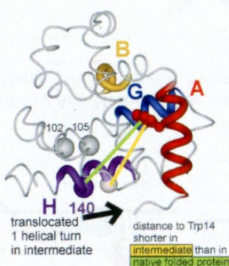
Ching-I Anderson Wang, Timothy Reeks, Irina Vetter, Irene Vergara, Oleksiy Kovtun, Richard J. Lewis, Paul F. Alewood, and Thomas Durek*

3767 **S**

dx.doi.org/10.1021/bi500478m

Probing the Non-Native H Helix Translocation in Apomyoglobin Folding Intermediates

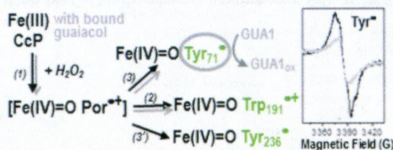
Phillip C. Aoto, Chiaki Nishimura, H. Jane Dyson, and Peter E. Wright*

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dx.doi.org/10.1021/bi500353p

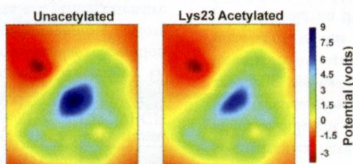
Identifying the Elusive Sites of Tyrosyl Radicals in Cytochrome c Peroxidase: Implications for Oxidation of Substrates Bound at a Site Remote from the Heme

Kyle D. Miner, Thomas D. Pfister, Parisa Hosseinzadeh, Nadime Karaduman, Lynda J. Donald, Peter C. Loewen, Yi Lu,* and Anabella Ivancich*



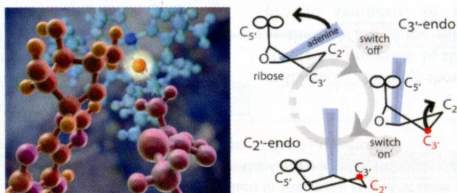
Adenine Nucleotide Translocase Is Acetylated *in Vivo* in Human Muscle: Modeling Predicts a Decreased ADP Affinity and Altered Control of Oxidative Phosphorylation

Clinton Mielke, Natalie Lefort, Carrie G. McLean, Jeanine M. Cordova, Paul R. Langlais, Andrew J. Bordner, Jerez A. Te, S. Banu Ozkan, Wayne T. Willis, and Lawrence J. Mandarino*



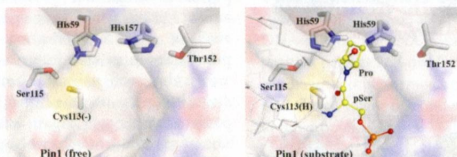
A Mechanochemical Switch to Control Radical Intermediates

Elizabeth Brunk, Whitney F. Kellett, Nigel G. J. Richards, and Ursula Rothlisberger*



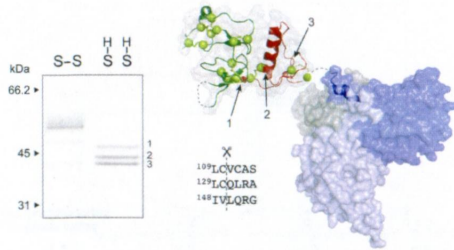
Cysteine-Mediated Dynamic Hydrogen-Bonding Network in the Active Site of Pin1

Arghya Barman and Donald Hamelberg*



The Autolysis of Human HtrA1 Is Governed by the Redox State of Its N-Terminal Domain

Michael W. Risør, Ebbe Toftgaard Poulsen, Line R. Thomsen, Thomas F. Dyrlund, Tania A. Nielsen, Niels Chr. Nielsen, Kristian W. Sanggaard, and Jan J. Enghild*



Delineation of Solution Burst-Phase Protein Folding Events by Encapsulating the Proteins in Silica Gels

Takahiro Okabe, Seiichi Tsukamoto, Kazuo Fujiwara, Naoya Shibayama, and Masamichi Ikeguchi*

