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See Hidetomo Yokoo, Yosuke Demizu *et al.*, pp. 1705–1710. Image reproduced by permission of Yosuke Demizu from *RSC Chem. Biol.*, 2025, 6, 1705.



Inside cover

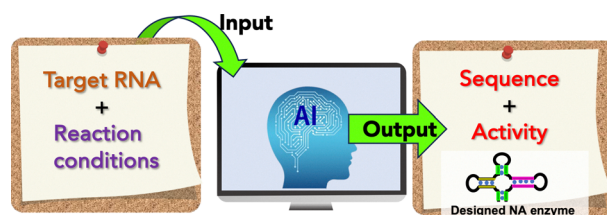
See Shuntaro Takahashi, Naoki Sugimoto *et al.*, pp. 1667–1685. Image reproduced by permission of Shuntaro Takahashi from *RSC Chem. Biol.*, 2025, 6, 1667.

REVIEWS

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Fitness landscapes and thermodynamic approaches to development of nucleic acids enzymes: from classical methods to AI integration

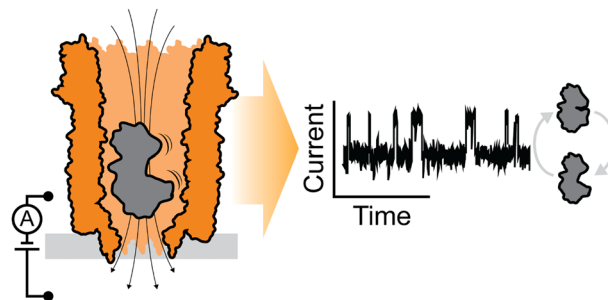
Shuntaro Takahashi,* Michiaki Hamada, Hisae Tateishi-Karimata and Naoki Sugimoto*



1686

Dynamics of single enzymes confined inside a nanopore

Nicole Stéphanie Galenkamp, Marco van den Noort and Giovanni Maglia*



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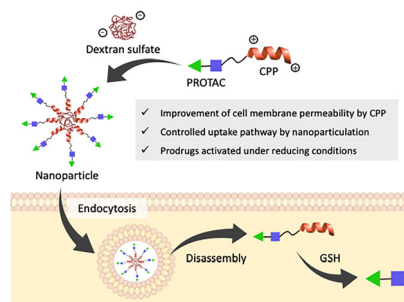
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Reductively activated CPP–PROTAC nanocomplexes enhance target degradation *via* efficient cellular uptake

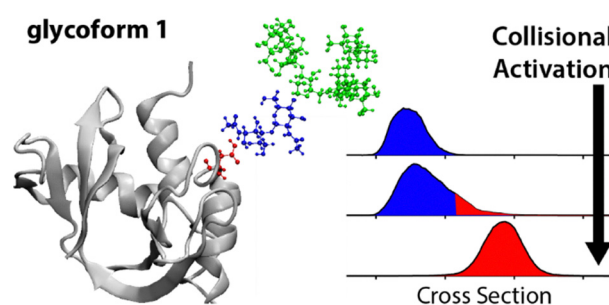
Maho Miyamoto, Kosuke Saito, Hidetomo Yokoo* and Yosuke Demizu*



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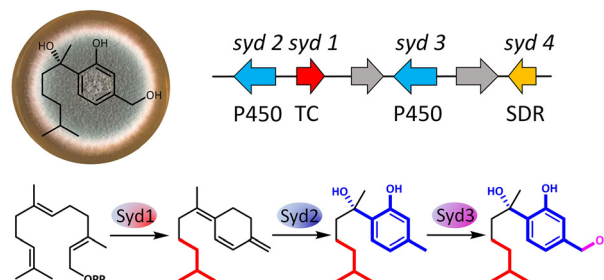
Mengqi Chai, Christian Bleiholder and Fanny C. Liu*



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Biosynthesis of sydonol reveals a new bisabolene cyclase and an unusual P450 aromatase

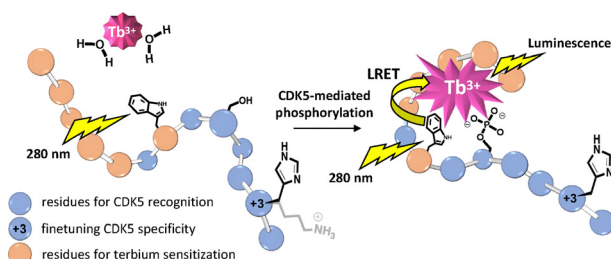
Peiyu Lu and Ling Liu*



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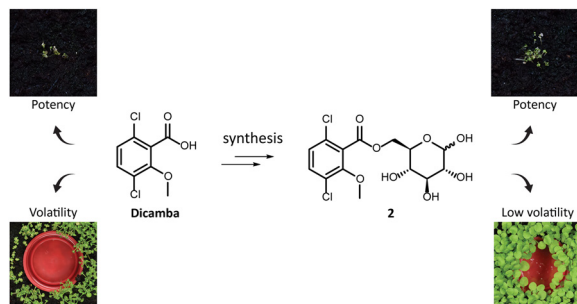
Novel terbium-sensitizing peptide substrates for cyclin-dependent kinase 5 (CDK5) and their demonstration in luminescence kinase assays

Jason L. Heier, Dylan J. Boselli and Laurie L. Parker*



COMMUNICATIONS

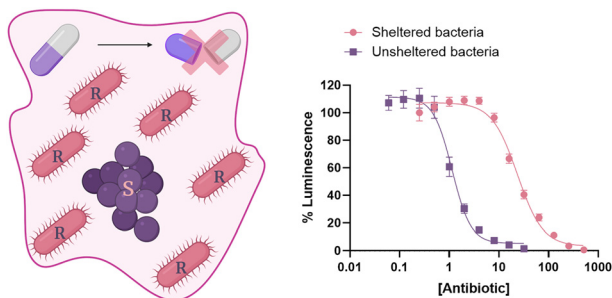
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**Sweet dicamba: a carbohydrate pro-herbicide strategy**

Karen J. Deane, Joel Haywood, Michael D. Wallace, Kalia Bernath-Levin, Mark T. Waters, Joshua S. Mylne* and Keith A. Stubbs*

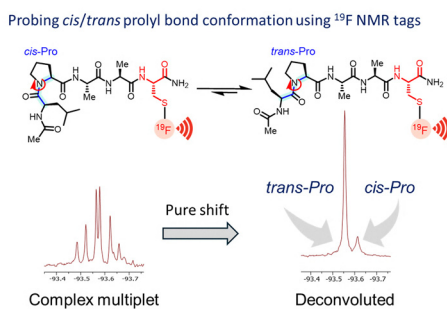
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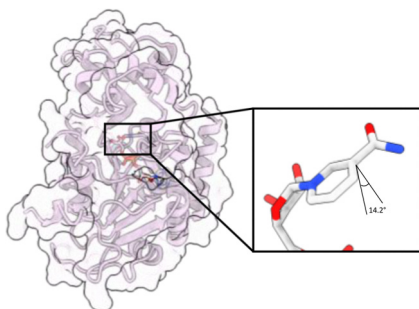
Montserrat Mora-Ochomogo, Mitchell A. Jeffs, Josephine L. Liu and Christopher T. Lohans*

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 **^{19}F NMR-tags for peptidyl prolyl conformation analysis**

George S. M. Hanson, Faidra Batsaki, Teagan L. Myerscough, Kristin Piché, Ariel Louwrier and Christopher R. Coxon*

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**Structural basis of SIRT2 pre-catalysis NAD^+ binding dynamics and mechanism**

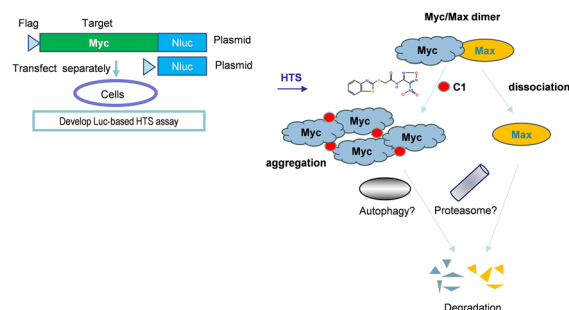
Nan Zhang, Kah Chee Pow, Lanfang Chen and Quan Hao*



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Cell-based high-throughput screening using a target–NanoLuc fusion construct to identify molecular glue degraders of c-Myc oncoprotein

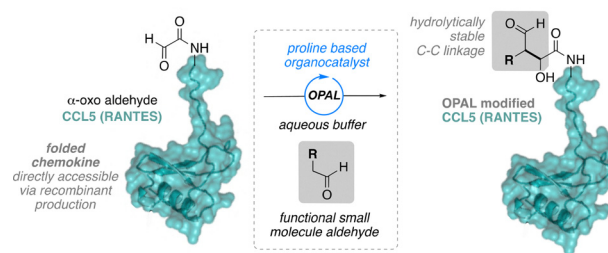
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Convergent construction of N-terminally modified CCL5 chemokines for photoaffinity receptor pull-down using cross-aldol bioconjugations

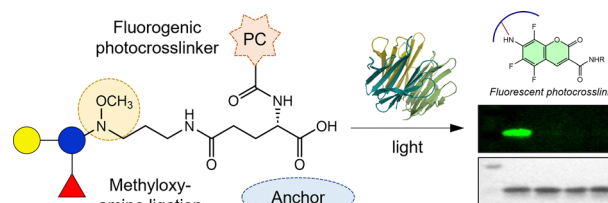
Afzaal Tufail, Matthew E. Warnes, Nathalie Signoret* and Martin A. Fascione*



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A trifunctional probe for generation of fluorogenic glycan-photocrosslinker conjugates

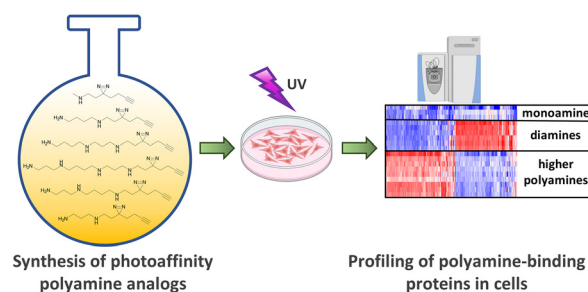
Brandon Vreulz, Daphnée De Crozals and Samy Cecioni*



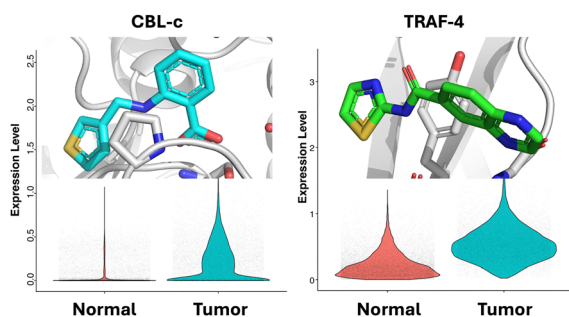
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Profiling polyamine–protein interactions in live cells through photoaffinity labeling

Maciej Zakrzewski, Zuzanna Sas, Benjamin Cocom-Chan, Moh Egy Rahman Firdaus, Marcin Kątek, Karolina Szczepanowska, Piotr Gerlach, Anna Marusiak and Remigiusz A. Serwa*



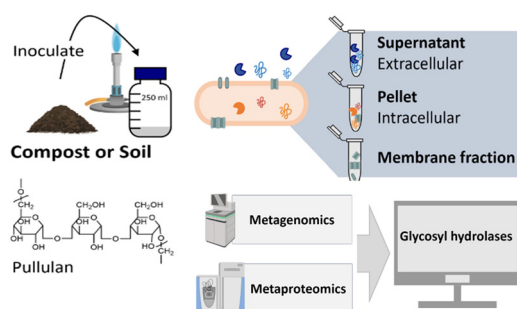
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Identification of ligands for E3 ligases with restricted expression using fragment-based methods

Alex G. Waterson, Brian D. Lehmann, Zhenwei Lu, John L. Sensintaffar, Edward T. Olejniczak, Bin Zhao, Tyson Rietz, William G. Payne, Jason Phan and Stephen W. Fesik*

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Discovery of microbial glycoside hydrolases via enrichment and metaproteomics

Jitske M. van Ede, Suzanne van der Steen, Geert M. van der Kraan, Mark C. M. van Loosdrecht and Martin Pabst*

