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See Hiroshi Inaba, Kazunori Matsuura *et al.*, pp. 737–745. Image reproduced by permission of Hiroshi Inaba, Kazunori Matsuura from *RSC Chem. Biol.*, 2025, 6, 737.



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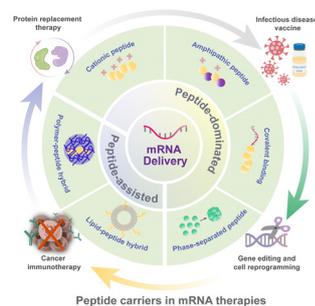
See Sabine Schneider *et al.*, pp. 731–736. Image reproduced by permission of Simsir, Walter, Sahin, Carell, Schneider from *RSC Chem. Biol.*, 2025, 6, 731.

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Peptides: potential delivery systems for mRNA

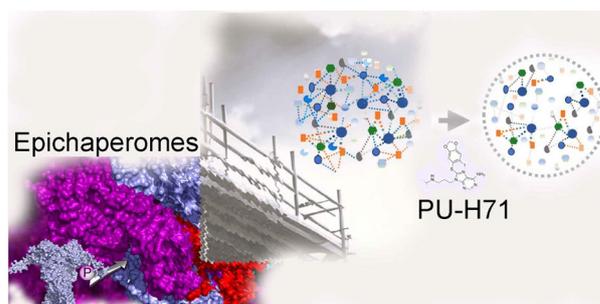
Huiting Liang, Yun Xing, Kexin Wang, Yaping Zhang,* Feng Yin* and Zigang Li*



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Epichaperomes: redefining chaperone biology and therapeutic strategies in complex diseases

Chiranjeevi Pasala, Chander S. Digwal, Sahil Sharma, Shujuan Wang, Alessia Bubula and Gabriela Chiosis*



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Fundamental questions
Elemental answers

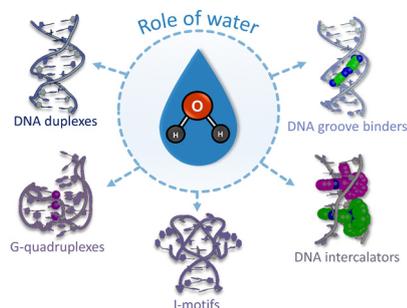


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The role of water in mediating DNA structures with epigenetic modifications, higher-order conformations and drug–DNA interactions

Roshan Satange and Ming-Hon Hou*

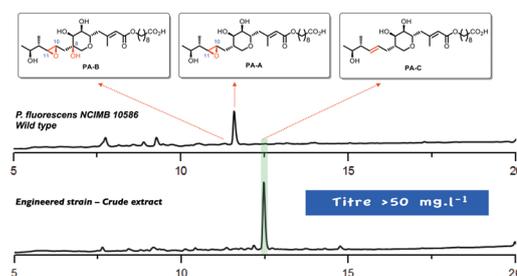


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Synthetic biology routes to new and extinct natural products

Thomas J. Simpson

Pathway engineering to optimise biosynthesis of improved antibiotic structure

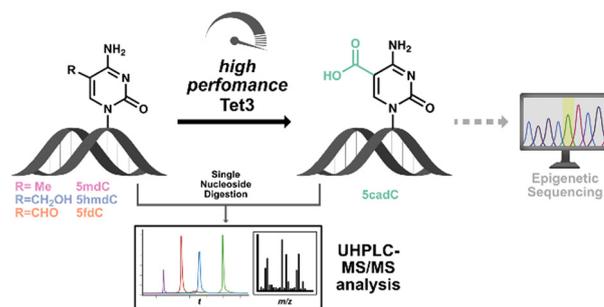


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Novel Tet3 enzymes for next-generation epigenetic sequencing

Özge Simsir, Tobias Walter, Hanife Sahin, Thomas Carell* and Sabine Schneider*

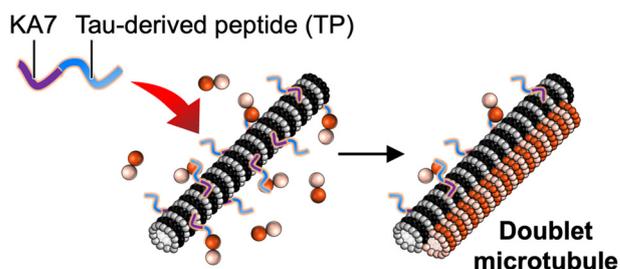


PAPERS

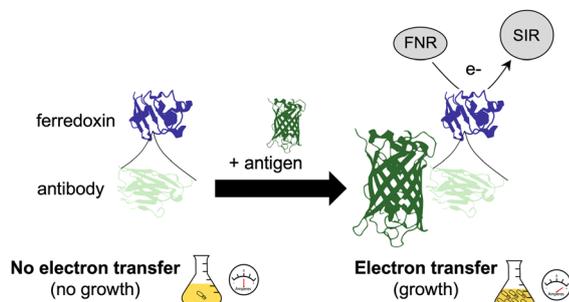
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Peptide-mediated display of Tau-derived peptide for construction of microtubule superstructures

Hiroshi Inaba,* Daichi Kageyama, Soei Watari, Mahoko Tateishi, Akira Kakugo and Kazunori Matsuura*



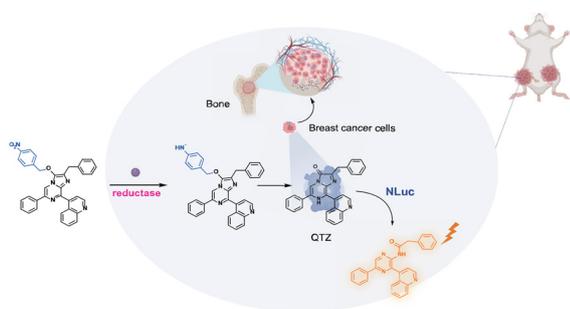
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Regulating ferredoxin electron transfer using nanobody and antigen interactions

Albert Truong and Jonathan J. Silberg*

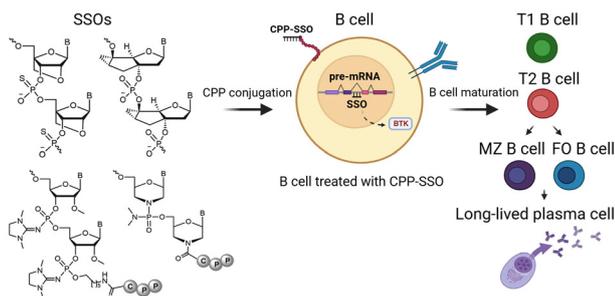
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Real-time bioluminescence imaging of nitroreductase in breast cancer bone metastasis

Kang Lu, Mengxi Zhang, Zuotong Tian and Han Xiao*

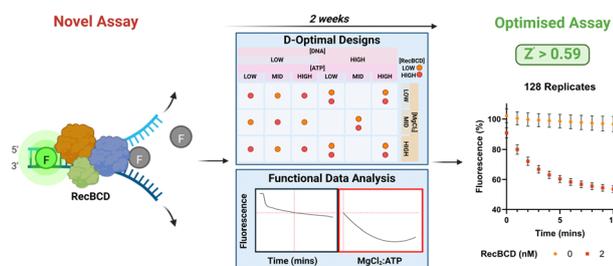
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Cell-penetrating peptide-conjugated, splice-switching oligonucleotides mitigate the phenotype in *Btk/Tec* double deficient X-linked agammaglobulinemia model

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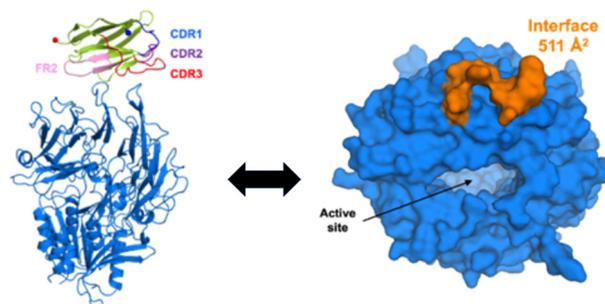
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Cryo-electron microscopy reveals a single domain antibody with a unique binding epitope on fibroblast activation protein alpha

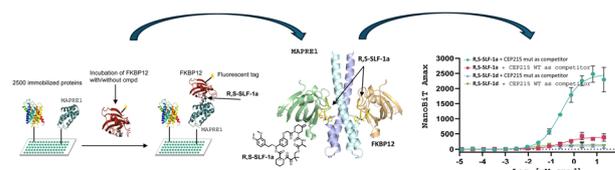
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Identification and characterization of ternary complexes consisting of FKBP12, MAPRE1 and macrocyclic molecular glues

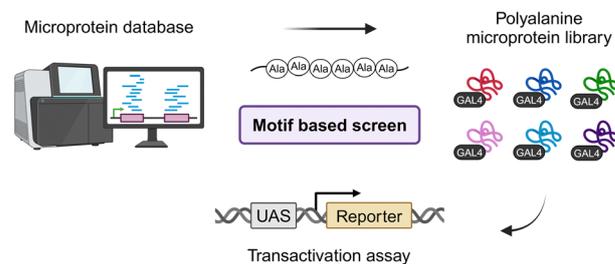
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Identification of microproteins with transactivation activity by polyaniline motif selection

Archita Agrawal and Alan Saghatelian*



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Ganglioside lipids inhibit the aggregation of the Alzheimer's amyloid- β peptide

Zenon Toprakcioglu, Akhila K. Jayaram and Tuomas P. J. Knowles*

