

Sensors & Diagnostics

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See Hong Xu *et al.*, pp. 9–27.
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Inside cover

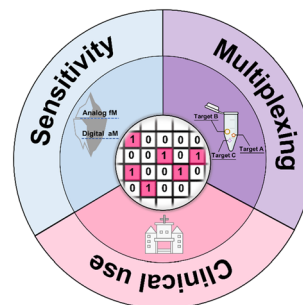
See Darshak R. Trivedi *et al.*, pp. 64–78.
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CRITICAL REVIEW

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Recent progress in digital immunoassay: how to achieve ultrasensitive, multiplex and clinical accessible detection?

Yutong Zhang, Hongchen Gu and Hong Xu*

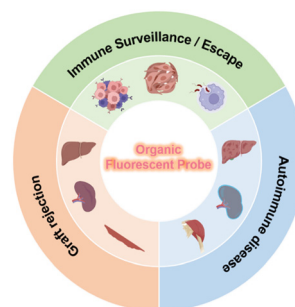


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Organic fluorophore-based fluorescent probes for abnormal immune response diagnosis and treatment evaluation

Shan Zuo, Yanhua Li, Tianbing Ren* and Lin Yuan*



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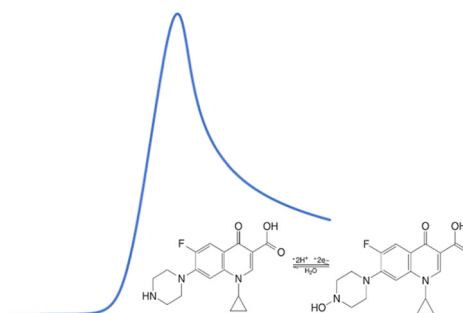


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Robert D. Crapnell, Prashanth S. Adarakatti and Craig E. Banks*

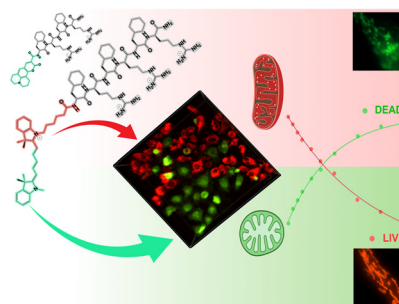


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Unveiling cellular vitality: peptide fluorescent probes illuminate mitochondrial dynamics and ROS activity

Ixsoyen Vázquez-Sandoval, Jasmine Bernal-Escalante, Adriana Romo-Pérez and Arturo Jiménez-Sánchez*

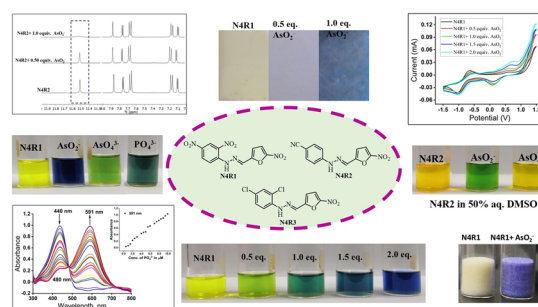


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Development of multi-analyte responsive sensors: optical discrimination of arsenite and arsenate ions, ratiometric detection of arsenite, and application in food and water samples

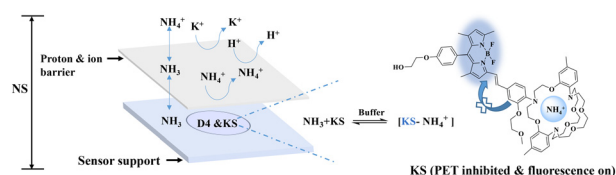
Nagaraj K, A. Nityananda Shetty and Darshak R. Trivedi*

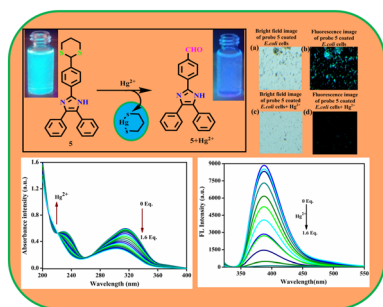


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Highly selective fluorescent sensor for ammonium ions

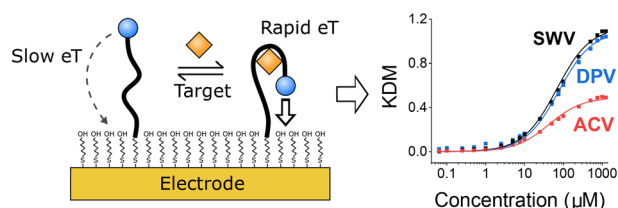
Min Shen, Tingting Pan,* Yonghao Chen, Juwei Ning, Fengyu Su* and Yanqing Tian*





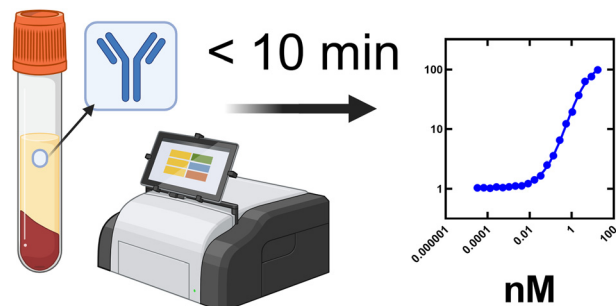
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Uma Krishnan, Saravanakumar Manickam and Sathiyarayanan Kulathu Iyer*



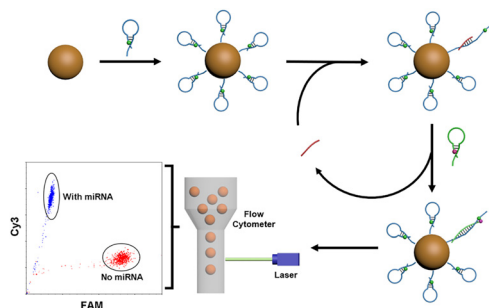
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Elsi Verrinder, Kaylyn K. Leung, Murat Kaan Erdal, Lior Sepunaru and Kevin W. Plaxco*



Therapeutic drug monitoring of immunotherapies with novel Affimer–NanoBiT sensor construct

Emma Campbell, Hope Adamson, Timothy Luxton, Christian Tiede, Christoph Wälti, Darren C. Tomlinson and Lars J. C. Jeuken*



Bead-enriched catalyzed hairpin assembly for the flow cytometric detection of microRNA via FRET signal readout

Zhengkun Dong, Wenjiao Fan,* Wei Ren and Chenghui Liu*

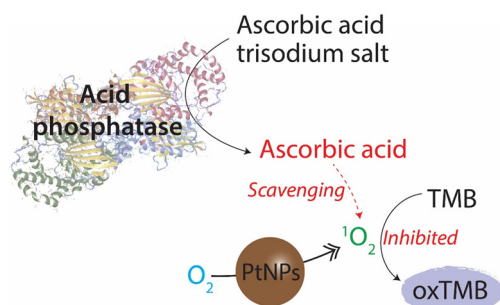


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Single-step colorimetric detection of acid phosphatase in human urine using an oxidase-mimic platinum nanozyme

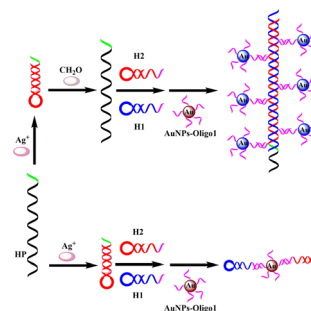
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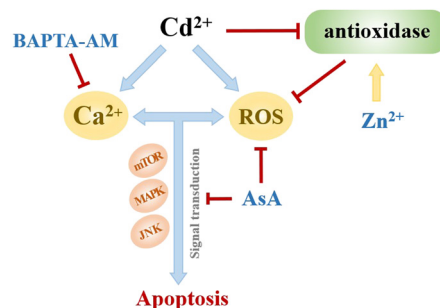
Wenxiu Huang, Linyuan Chen, Li Zou* and Liansheng Ling*



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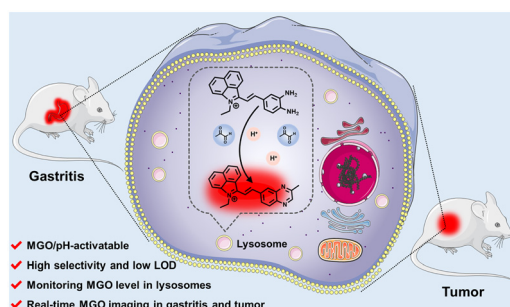
Ke Gao, Yuying Du, Na Pan, Xuewei Zhou, Liping Lu* and Xiayan Wang



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Acid-promoted fluorescent probe for monitoring endogenous methylglyoxal in tumors and gastritis

Weijia Xu, Senyao Liu, Wenwen Cao and Hu Xiong*



- ✓ MGO/pH-activatable
- ✓ High selectivity and low LOD
- ✓ Monitoring MGO level in lysosomes
- ✓ Real-time MGO imaging in gastritis and tumor



CORRECTION

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Correction: Real-time, smartphone-based processing of lateral flow assays for early failure detection and rapid testing workflows

Monika Colombo, Léonard Bezingue, Andres Rocha Tapia, Chih-Jen Shih, Andrew J. deMello* and Daniel A. Richards*

