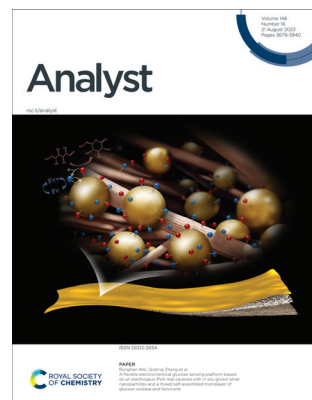


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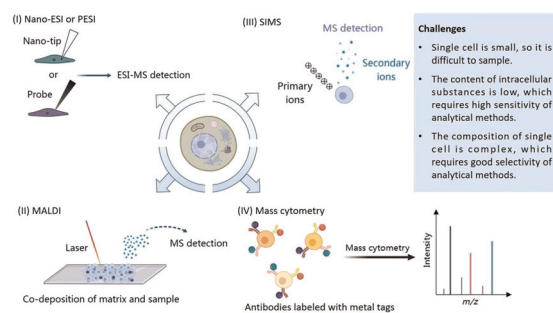
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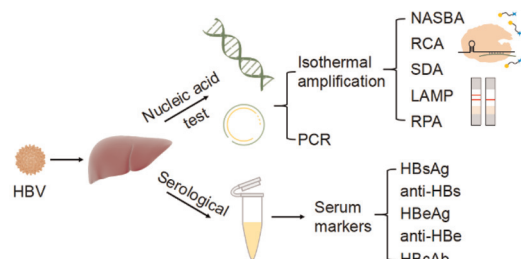
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Schematic diagram of main methods for hepatitis B detection



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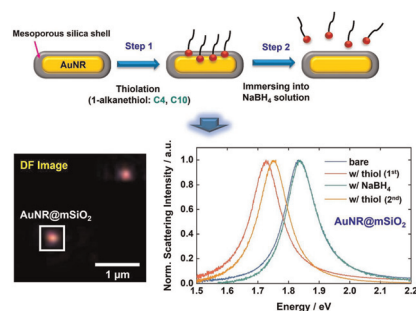


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***In situ* reversible tuning of chemical interface damping in mesoporous silica-coated gold nanorods via direct adsorption and removal of thiol**

Yun A. Hong and Ji Won Ha\*

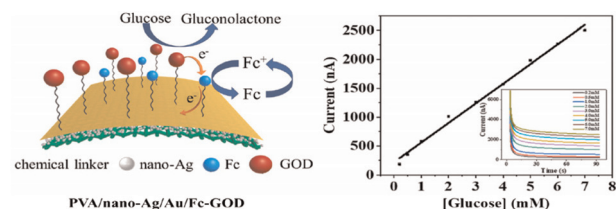


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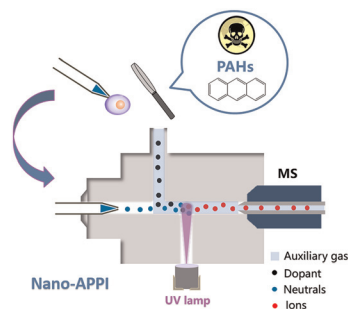
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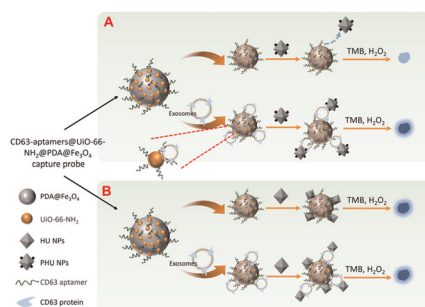
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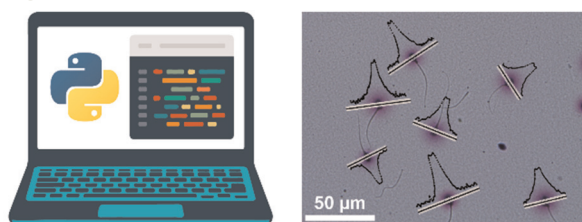
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Wei Li, Huili Wang, Xinxin Ying, Zhen Liang, Jianna Li,\* Xiangjuan Chen, Lei Su\* and Xueji Zhang\*



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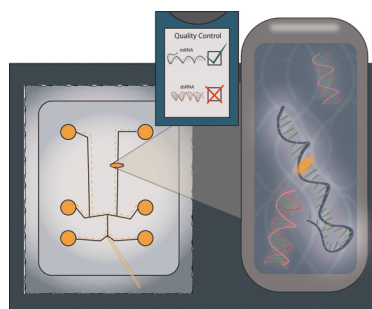


Automated DNA analysis of thousands of sperm cells

**High-throughput sperm DNA analysis at the single-cell and population levels**

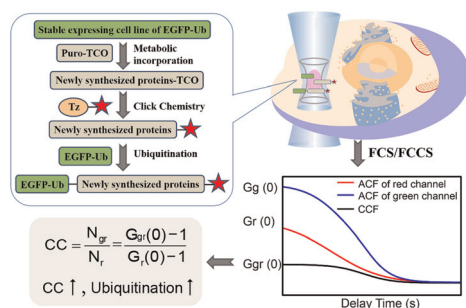
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**A microfluidic electrophoretic dual dynamic staining method for the identification and relative quantitation of dsRNA contaminants in mRNA vaccines**

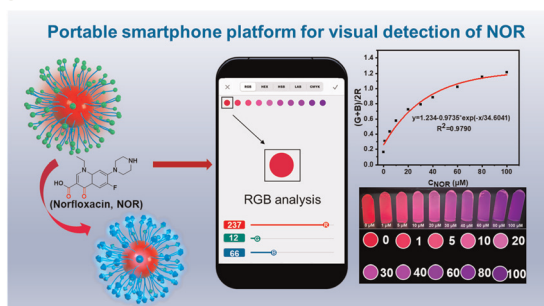
Adriana Coll De Peña, Nina Li, Matei Vaduva, Lloyd Bwanali and Anubhav Tripathi\*

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Yaoqi Liu, Chaoqing Dong\* and Jicun Ren\*

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**Y<sup>3+</sup>@CdTe quantum dot nanoprobe as a fluorescence signal enhancement sensing platform for the visualization of norfloxacin**

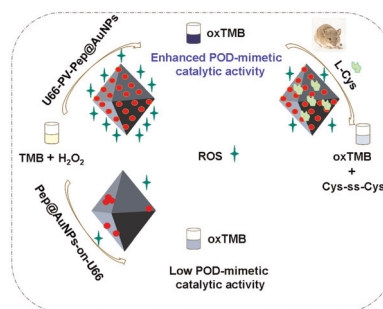
Xiong Chen, Yuanhang Jiang, Ying Liu and Cheng Yao\*



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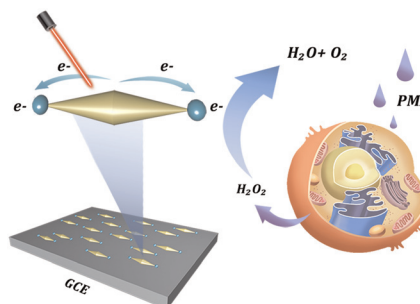
Lin Tian, Cheng Cheng, Zhenwen Zhao, Wei Liu and Li Qi\*



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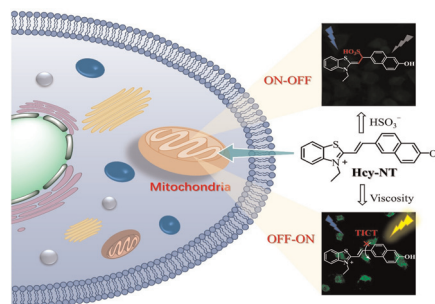
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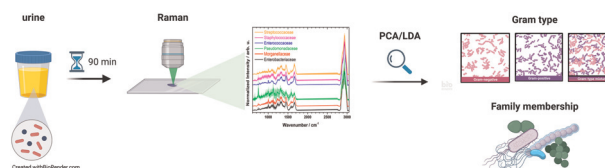
Buyue Zhang, Lei Shi,\* Xiaoying Ma, Dawei Yang, Hongxia Sun, Yalin Tang and Xiufeng Zhang\*



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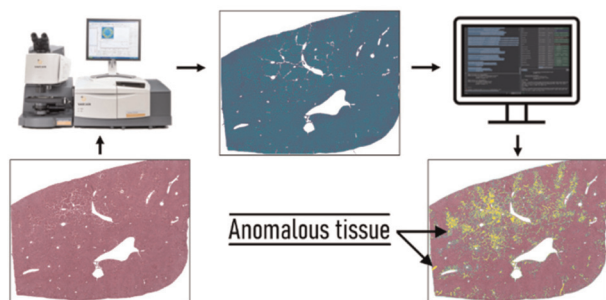
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## PAPERS

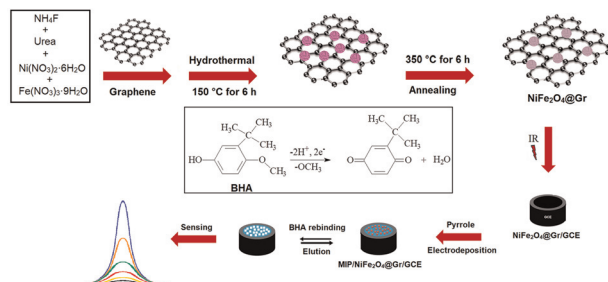
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Dougal Ferguson,\* Alex Henderson,  
Elizabeth F. McInnes and Peter Gardner

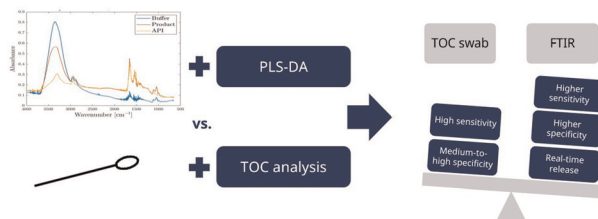
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Bahar Bankoğlu Yola, Sena Bekerecioğlu, İlknur Polat,  
Necip Atar and Mehmet Lütfi Yola\*

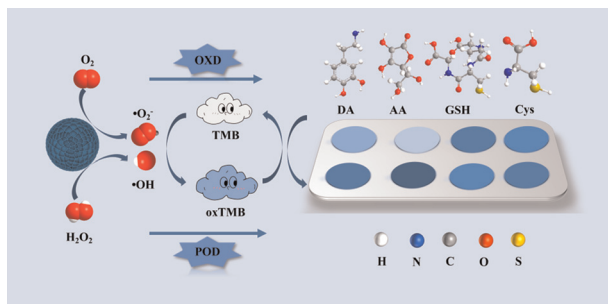
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Christian A. Hundahl

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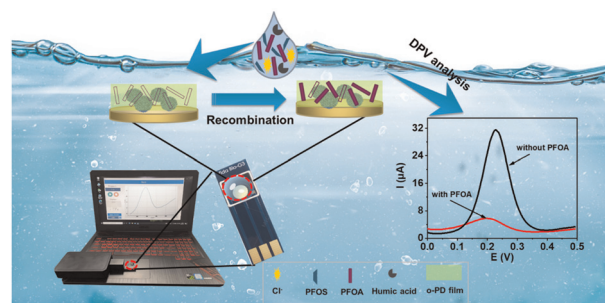
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and Qingyun Liu\*



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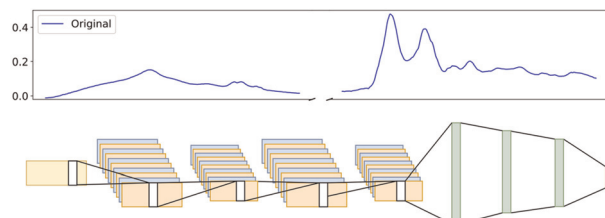
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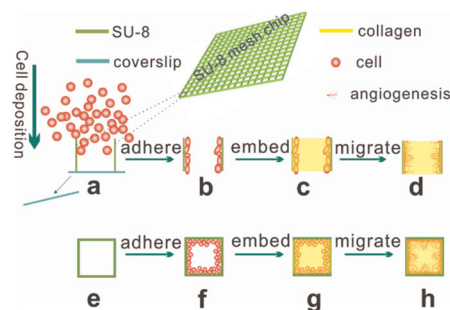
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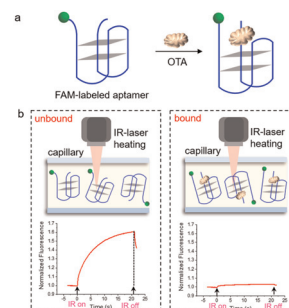
Yachao Wang, Xuemei Zeng, Peng Chen, Wei Du, Yumei Pei,\* Guoping Wang\* and Bi-Feng Liu



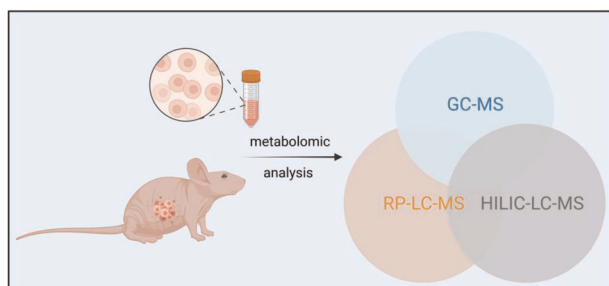
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Hao Yu and Qiang Zhao\*



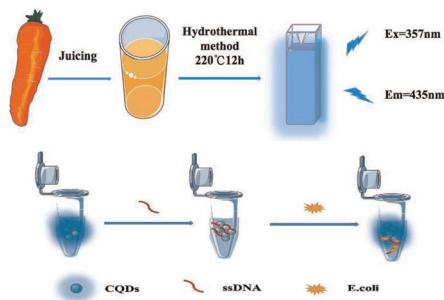
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Szymon Macioszek, Danuta Dudzik, Margot Biesemans, Agnieszka Wozniak, Patrick Schöffski and Michał J. Markuszewski\*

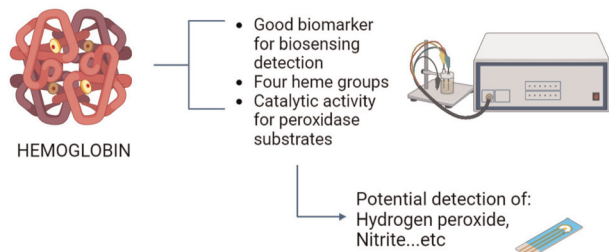
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### A fluorescent biosensor based on carbon quantum dots and single-stranded DNA for the detection of *Escherichia coli*

Xiaolian Bai, Lu Ga and Jun Ai\*

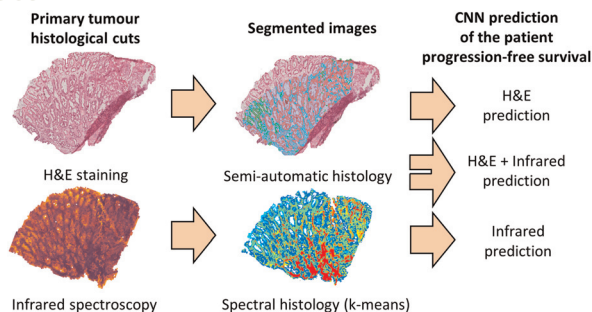
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Ahlem Teniou, Amina Rhouati,\* Selma Rabai, Gaëlle Catanante and Jean-Louis Marty

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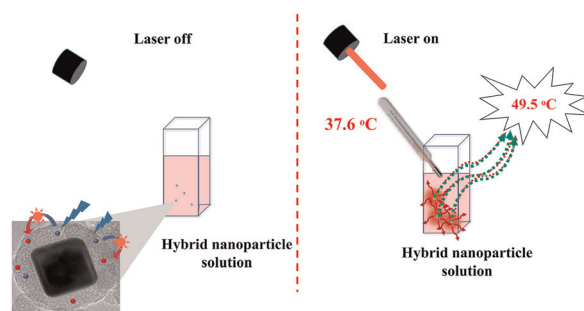
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