

# Analytical Methods

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### Cover

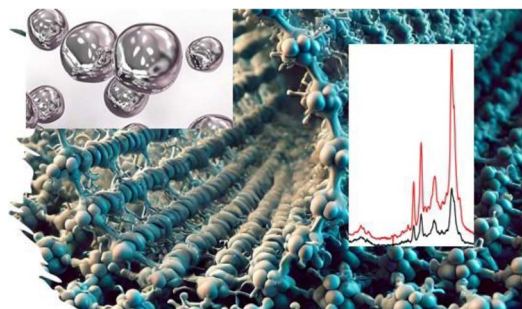
See Fadi Bou-Abdallah *et al.*, pp. 15–25. Image reproduced by permission of Fadi Bou-Abdallah from *Anal. Methods*, 2025, 17, 15. The image was generated using the BRIA AI generator.

## COMMUNICATION

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### Ultrasensitive detection of *E. coli* using bioinspired based platform

Sawsan Almohammed, Tristan Nolan, Niamh Martin, Wim G. Meijer, Brian J. Rodriguez\* and James H. Rice\*

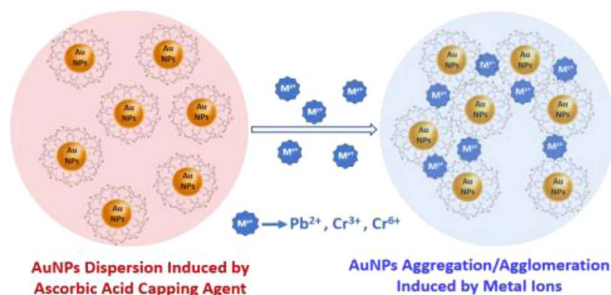


## PAPERS

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### A simple and highly sensitive colorimetric assay for the visual detection of lead and chromium using ascorbic acid capped gold nanoparticles

Colby Hladun, Maximilian Beyer, John Paliakkara, Ali Othman and Fadi Bou-Abdallah\*



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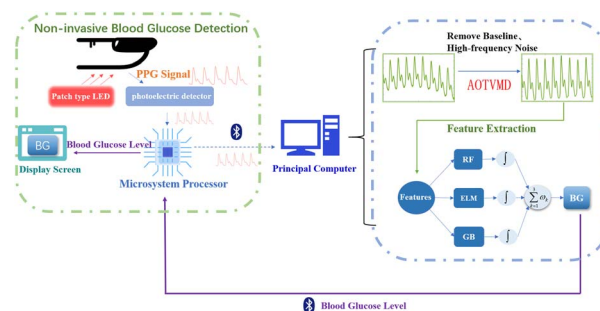
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## A noninvasive blood glucose detection method with strong time adaptability based on fuzzy operator decision fusion and dynamic spectroscopy characteristics of PPG signals

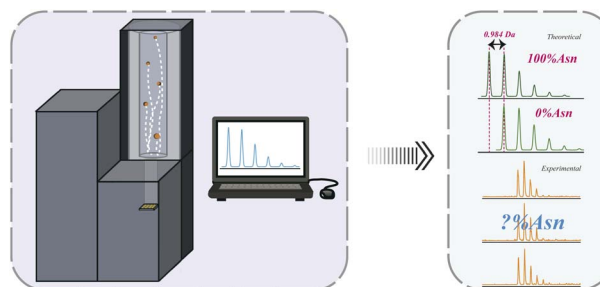
Rui Liu, Jieqiang Liu, Zhengwei Huang and Qingbo Li\*



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## Deamidation analysis of therapeutic drugs using matrix-assisted laser desorption ionization mass spectrometry and a novel algorithm QuanDA

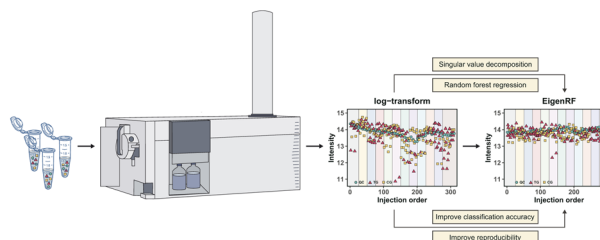
Han Zhang, Yinran Xiong, Xiaonan Shi, Lijia Zhu, Qiong Wu, Ting Wu\* and Yiping Du



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## EigenRF: an improved metabolomics normalization method with scores for reproducibility evaluation on importance rankings of differential metabolites

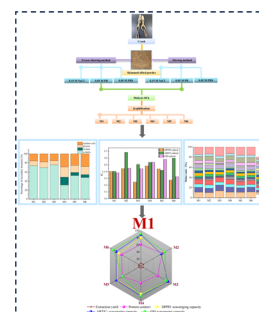
Chencheng Tang, Dongfang Huang, Xudong Xing\* and Hua Yang\*



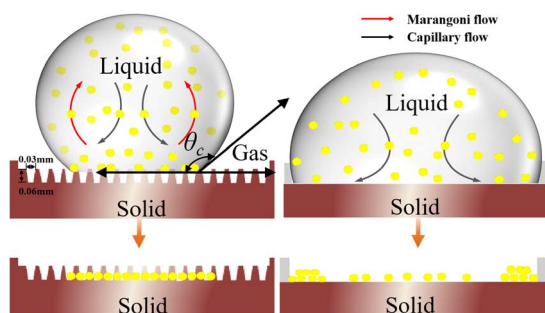
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## Comparative extraction of antioxidant proteins from whole frogs (*Rana ridibunda* Pollas)

Naziermu Dongmulati, Ahmidin Wali,\* Zi Yang, Yusufujiang Aili, Rexili Kelaimu, Yanhua Gao, Abulimiti Yili\* and Haji Akber Aisa



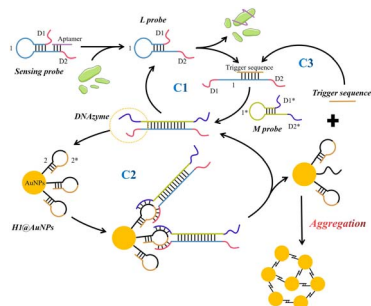
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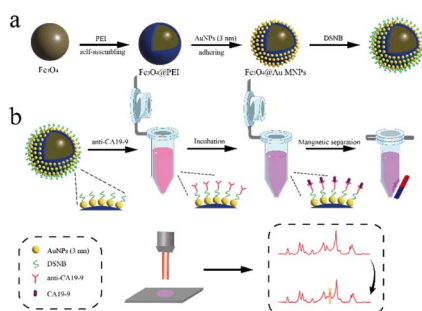
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### A catalytic assembly triggered DNAzyme motor on spherical nucleic acids for sensitive small extracellular vesicle detection

Xiaoying Shi, Tingting Zhang, Shisheng Zhu, Linhong Ning, Heng Cheng, Feng Yu\* and Shanshan Tian\*

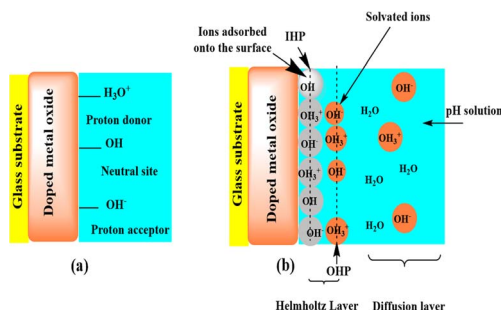
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### A simple SERS sensor based on antibody-modified Fe<sub>3</sub>O<sub>4</sub>@Au MNPs for the detection of CA19-9 in CRC patients

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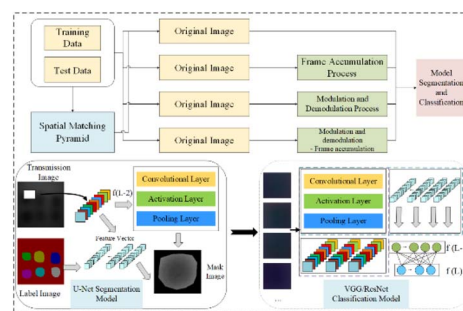
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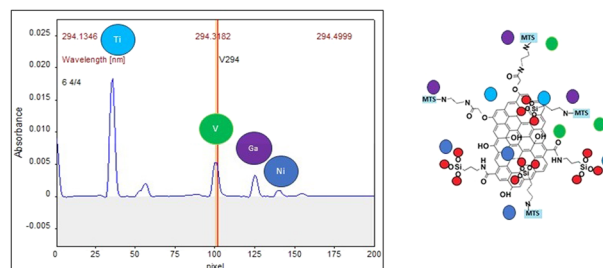
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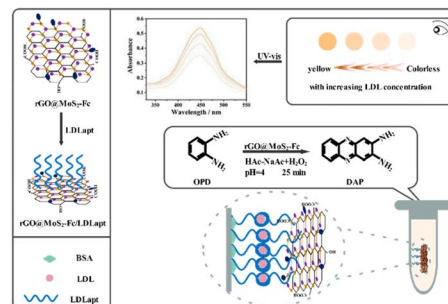
L. Vázquez-Palomo, P. Montoro-Leal, J. C. García-Mesa, M. M. López Guerrero\* and E. Vereda Alonso\*



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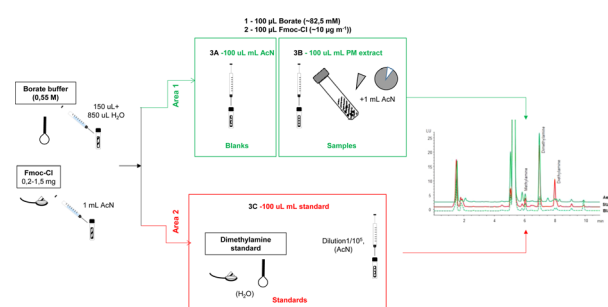
Guiyin Li, Tingting Yu, Haimei Li, Bingbing Wan, Xiaohong Tan, Xueqing Zhou,\* Jintao Liang\* and Zhide Zhou\*



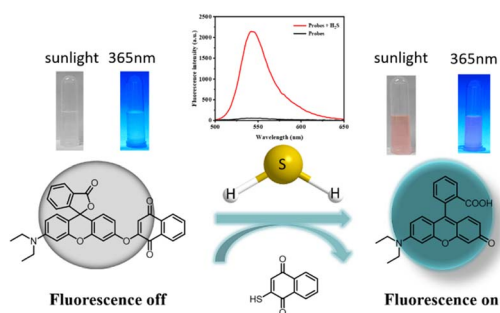
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Susana García-Alonso,\* Francisco Javier Gómez-Moreno, Elisabeth Alonso-Blanco and Rosa María Pérez-Pastor



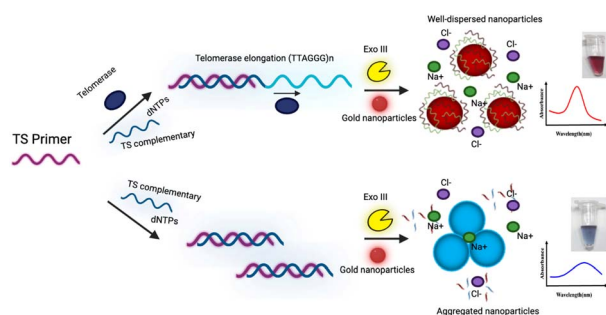
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Jiefeng Tang, Xiangjun Chen, Zhenzhen Wang, Shuntao Zhang, Juan Wang\* and Chunru Cheng\*

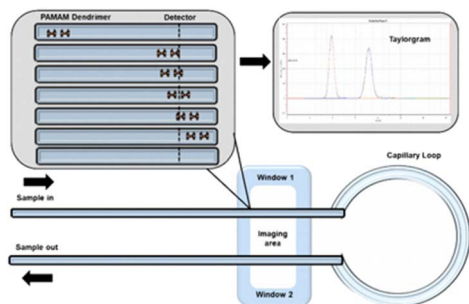
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### A simple colorimetric detection of telomerase exploiting specific cleavage of exonuclease III coupled with telomeric DNA controlled aggregation of nanogold

Huynh Thi Le Huyen, Vo Thi Cam Duyen and Phuoc Long Truong\*

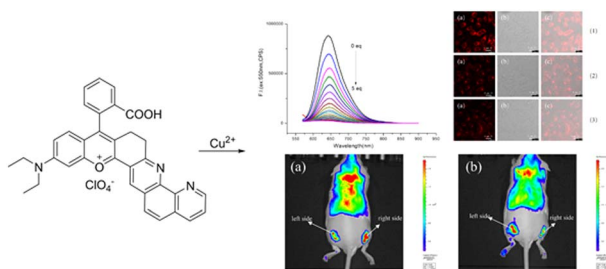
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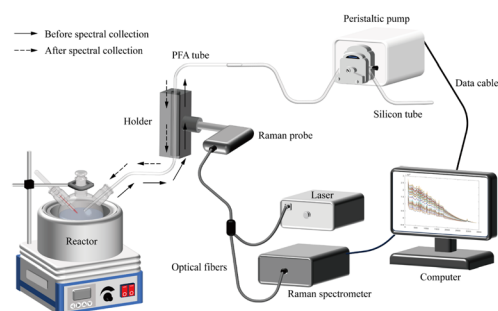
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Jin Wang, Wuye Yang, Meng Su, Huipeng Deng and Yiping Du\*



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