

# Sensors & Diagnostics

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Cover

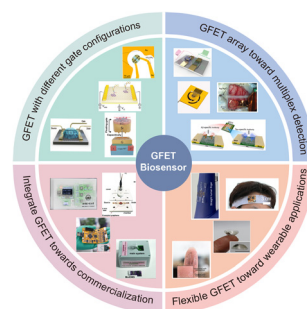
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## CRITICAL REVIEW

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### The development of GFETs for biometric applications

Weisong Yang, Weihao Feng, Siyu Hou, Zhuang Hao,  
Cong Huang and Yunlu Pan\*

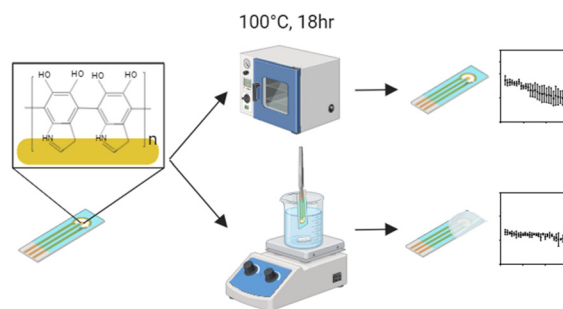


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### Agarose-gel coating for improving the polydopamine-based pH sensor stability in continuous pH measurements

Natalie Fudge, Fatemeh Keyvani, Joshua Khatri  
and Mahla Poudineh\*



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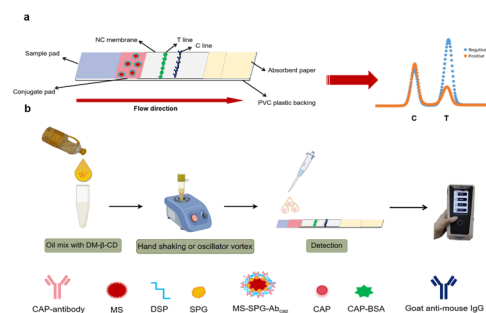
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## Non-organic solvent extraction of capsaicinoids from oil combined with fluorescent lateral flow immunoassay strips for on-site identification of illegally recycled waste cooking oil

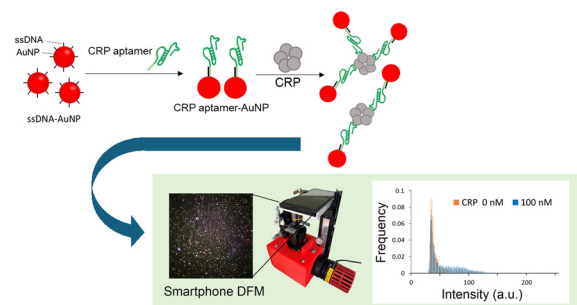
Yulian Wang, Yuxiang Wu, Deji Gesang, Zixuan Dong, Zhaoxu Qin, Qingchun Li, Jin Li, Qianxu Zhou and Guoqing Shi\*



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## Detection of C-reactive protein using single cluster analysis of gold nanoparticle aggregates using a dark-field microscope equipped with a smartphone

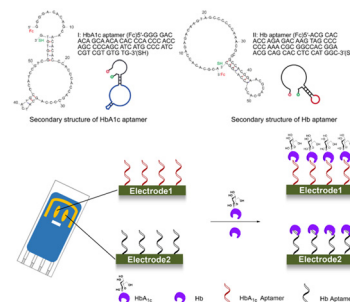
Nanami Fukuzumi, Takako Nakagawa, Gen Hirao, Atsushi Ogawa, Mizuo Maeda, Tsuyoshi Asahi and Tamotsu Zako\*



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## Construction of a self-assembled duplexed aptasensor for the simultaneous detection of haemoglobin and glycated haemoglobin

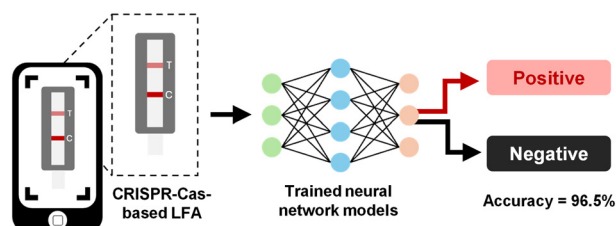
Xue-Qing Feng, Yi-Ning Su, Qing Li, Zhong-Gan Jin, Ming Wang, Xi-Le Hu,\* Lei Zou,\* Yi Ju,\* Xiao-Peng He\* and Bang-Ce Ye\*

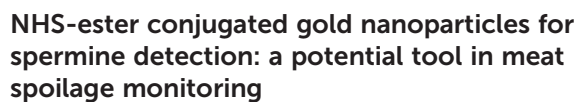


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## Rapid and automated interpretation of CRISPR-Cas13-based lateral flow assay test results using machine learning

Mengyuan Xue, Diego H. Gonzalez, Emmanuel Osikpa, Xue Gao and Peter B. Lillehoj\*





Teody Gumabat,\* Jeanne Phyre Lagare Oracion,  
Jolina Fedelis, Ethel Keleste, Rey Capangpangan,  
Noel Lito Sayson, Gerard Dumancas, Arnold Alguno  
and Felmer Latayada\*