

# Sensors & Diagnostics

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ISSN 2635-0998 CODEN SDEIAR 4(5) 365-444 (2025)



### Cover

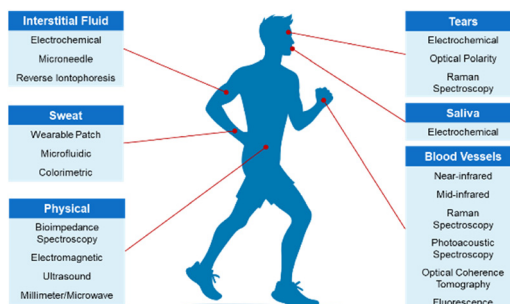
See Kazunori Ikebukuro *et al.*, pp. 397–406.  
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## CRITICAL REVIEW

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### Minimally and non-invasive glucose monitoring: the road toward commercialization

Shunhua Min, Haoyang Geng, Yuheng He, Tailin Xu,\* Qingzhou Liu\* and Xueji Zhang\*

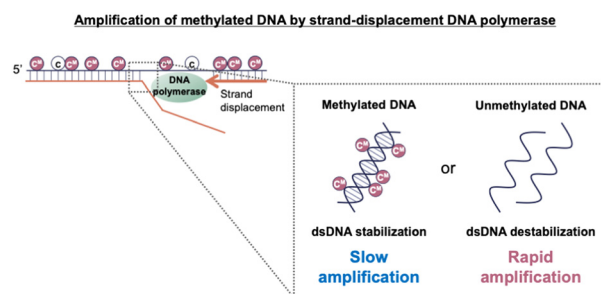


## PAPERS

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### Detection of CpG methylation based on the change in amplification efficiency of strand-displacement DNA polymerase by CpG methylation

Mizuki Tomizawa, Kiwako Watanabe, Kaori Tsukakoshi and Kazunori Ikebukuro\*





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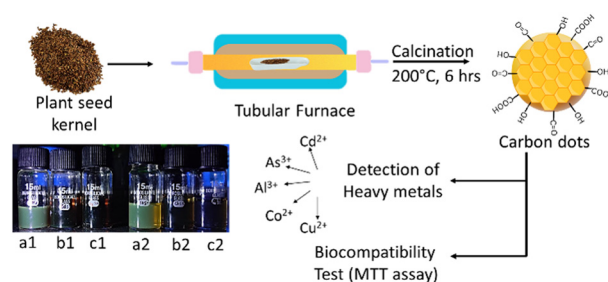
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### Selective sensing of heavy metal ions using carbon dots synthesized from *Azadirachta indica* seeds

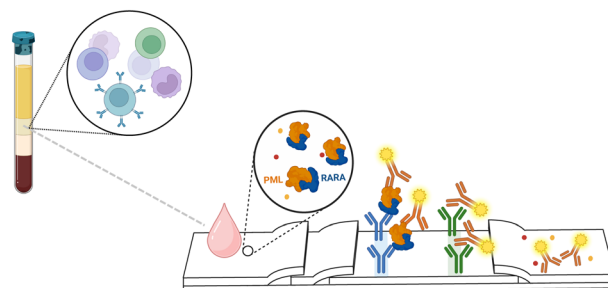
Somedutta Maity, Santhosh Kumar, Gurmeet Singh, Sukanya Patra, Divya Pareek and Pradip Paik\*



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### Lateral flow assay-based detection of nuclear fusion oncoprotein: implications for screening of acute promyelocytic leukemia

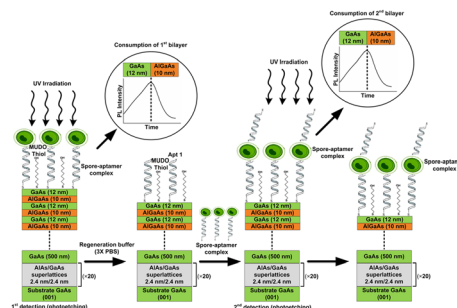
Maede Chabi, Binh Vu, Kristen Brosamer, Sophia Song, Vijay Maranholkar, Zihua Zeng, Youli Zu, Rashmi Kanagal-Shamanna, Jacinta C. Conrad,\* Richard C. Willson\* and Katerina Kourentzi\*



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### Regenerable photonic aptasensor for detection of bacterial spores with stacks of GaAs-AlGaAs nanoheterostructures

Ishika Ishika, Walid M. Hassen, René St-Onge, Houman Moteshareie, Azam F. Tayabali and Jan J. Dubowski\*



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### Nitrate sensing with molecular cage ionophores: a potentiometric approach

Ahmet Onder, Ferit Begar, Erman Kibris, Onur Buyukcakir\* and Umit Hakan Yildiz\*

