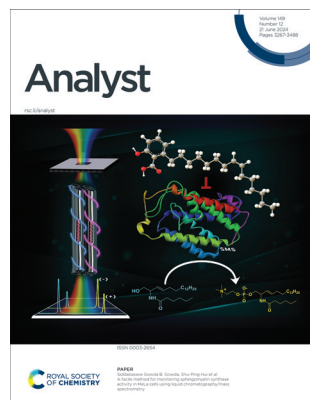


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### Cover

See Siddabasave Gowda B. Gowda, Shu-Ping Hui *et al.*, pp. 3293–3301.

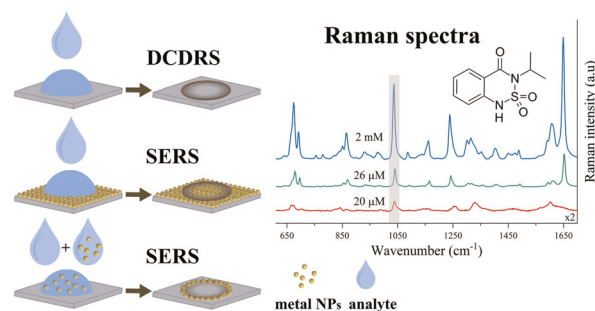
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## MINIREVIEW

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### Analytical applications of droplet deposition Raman spectroscopy

Eva Kočíšová, Alžbeta Kůžňová and Marek Procházka\*

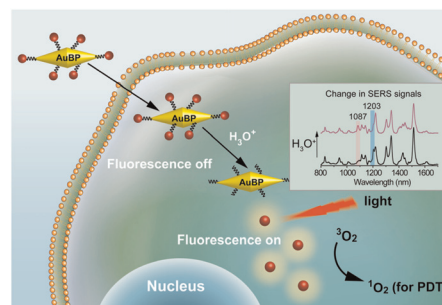


## COMMUNICATION

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### Immobilising an acid-cleavable dimeric phthalocyanine on gold nanobipyramids for intracellular pH detection and photodynamic elimination of cancer cells

Yue Cao, Roy C. H. Wong, Evelyn Y. Xue, Han Zhang, Jie Wang, Yan Ding, Lei Zhang, Feng Chen, Jianfang Wang and Dennis K. P. Ng\*



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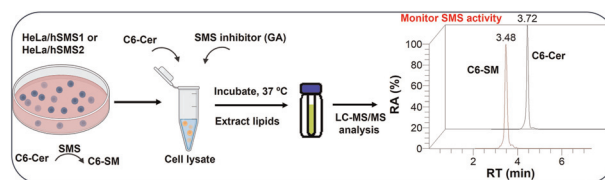
[rsc.li/professional-development](https://rsc.li/professional-development)



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### A facile method for monitoring sphingomyelin synthase activity in HeLa cells using liquid chromatography/mass spectrometry

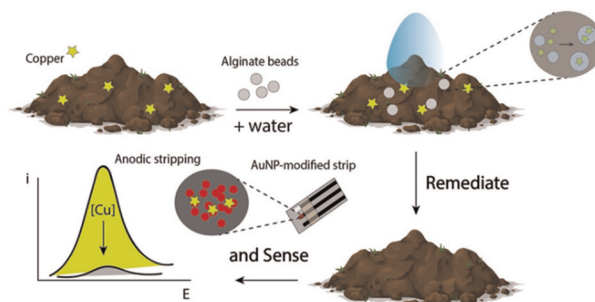
Punith M. Sundaraswamy, Yusuke Minami, Jayashankar Jayaprakash, Siddabasave Gowda B. Gowda,\* Hiroyuki Takatsu, Divyavani Gowda, Hye-Won Shin and Shu-Ping Hui\*



3302

### Remediate and sense: alginate beads empowered by portable electrochemical strips for copper ion removal and detection at environmental sites

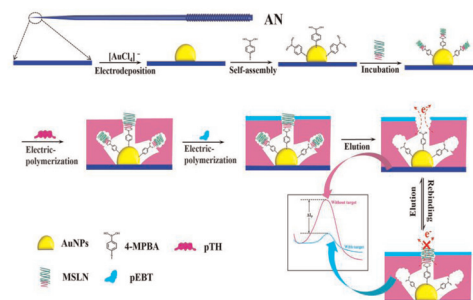
Ada Raucci, Mayla Metitiero, Chiara Cuzzi, Panagiota M. Kalligosfyri, Marianna Messina, Michele Spinelli, Angela Amoresano, Sheridan L. Woo, Ilaria Cacciotti\* and Stefano Cinti\*



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### A mesothelin microsensor based on an embedded thionine electronic medium within an imprinted polymer on an acupuncture needle electrode

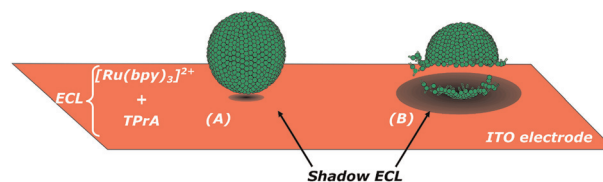
Yi Zhang, Xue Kong, Hai-Yang Guo, Jing Wang\* and Zheng-Zhi Yin\*



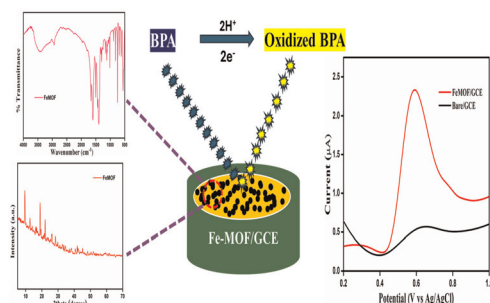
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Fatma Ben Trad, Jérôme Delacotte, Frédéric Lemaître, Manon Guille-Collignon, Stéphane Arbault, Neso Sojic,\* Eric Labbé and Olivier Buriez\*



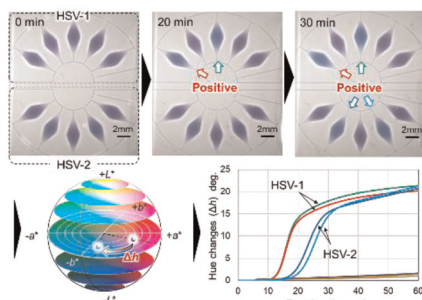
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Madappa C. Maridevaru, Aashutosh Dube, Reshma Kaimal, Abdullah Al Souwaileh, Sathananthan Kannadasan and Sambandam Anandan\*

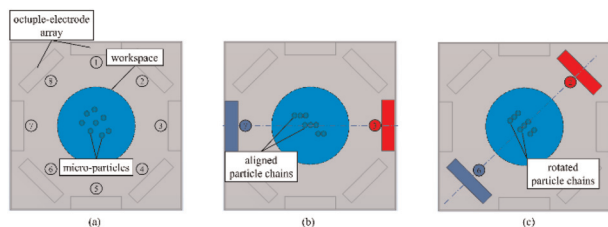
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### A microfluidic-based quantitative analysis system for the multiplexed genetic diagnosis of human viral infections using colorimetric loop-mediated isothermal amplification

Daigo Natsuhara,\* Akira Miyajima, Tomoya Bussho, Shunya Okamoto, Moeto Nagai, Masaru Ihira and Takayuki Shibata\*

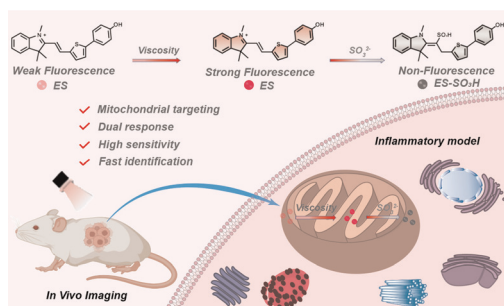
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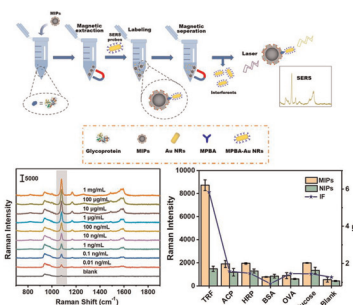
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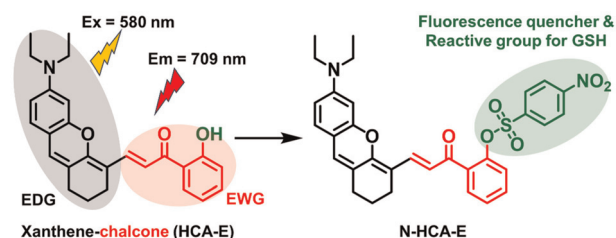
Xin-yi Wang, An-ran Liu\* and Song-qin Liu



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### Developing NIR xanthene-chalcone fluorophores with large Stokes shifts for fluorescence imaging

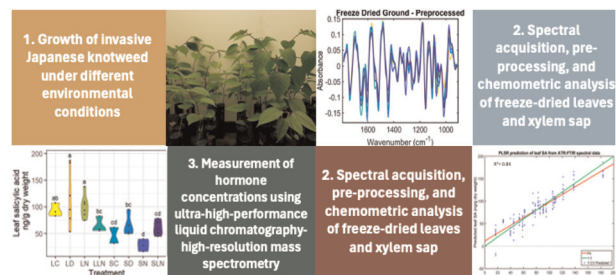
Chao Wang,\* Rongrong Yuan, Siyue Ma, Qing Miao, Xufang Zhao, Yuxia Liu, Siwei Bi and Guang Chen\*



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### Attenuated total reflection Fourier-transform infrared spectroscopy for the prediction of hormone concentrations in plants

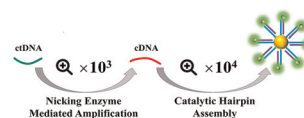
Claire A. Holden, Martin R. McAinsh, Jane E. Taylor, Paul Beckett, Alfonso Albacete, Cristina Martínez-Andújar, Camilo L. M. Morais and Francis L. Martin\*



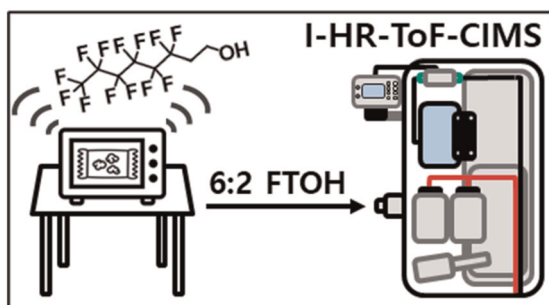
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### A quadratic isothermal amplification fluorescent biosensor without intermediate purification for ultrasensitive detection of circulating tumor DNA

Zhaojie Wu, Hongshan Zheng, Yongjun Bian, Jian Weng, Ru Zeng and Liping Sun\*



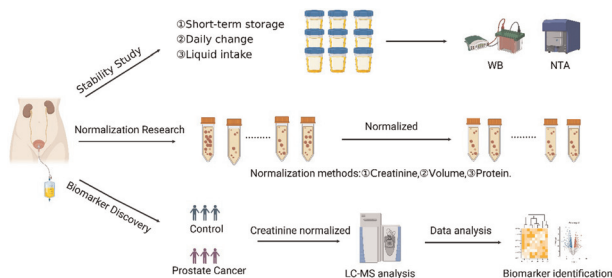
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Michael J. Davern, Gabrielle V. West, Clara M. A. Eichler, Barbara J. Turpin, Yue Zhang\* and Jason D. Surratt\*

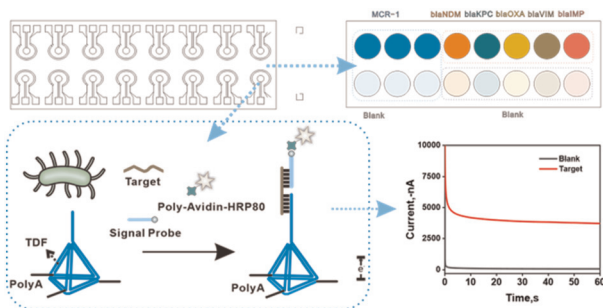
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### Assessment of urine sample collection and processing variables for extracellular vesicle-based proteomics

Guiyuan Zhang, Yajie Ding, Hao Zhang, Dong Wei, Yufeng Liu, Jie Sun, Zhuoying Xie, W. Andy Tao\* and Yefei Zhu\*

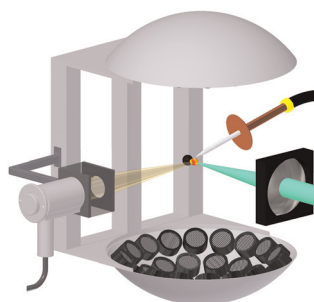
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Yanan Song, Jun Feng, Xueming Wang, Yanli Wen, Li Xu, Yinbo Huo, Lele Wang, Qing Tao, Zhenzhou Yang, Gang Liu, Min Chen,\* Lanying Li\* and Juan Yan\*

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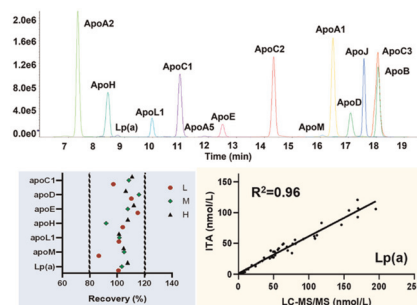
Ali M. Alamri, Wanxia Zhao, Steve Tassios, Sheng Dai and Zeyad T. Alwahabi\*



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### Simultaneous quantitative LC-MS/MS analysis of 13 apolipoproteins and lipoprotein (a) in human plasma

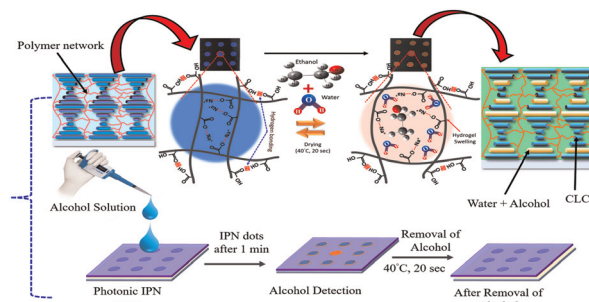
Yuxuan Zhang, Xuanru Ren, Zhitong Zhou, Dao Wen Wang, Xiaoquan Rao, Hu Ding and Junfang Wu\*



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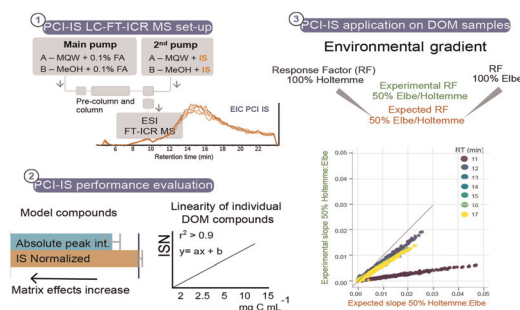
Bhupendra Pratap Singh and Shug-June Hwang\*



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Rebecca Rodrigues Matos, Elaine K. Jennings, Jan Kaesler, Thorsten Reemtsma, Boris P. Koch and Oliver J. Lechtenfeld\*



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Tsugufumi Matsuyama,\* Tomoya Miyahara, Hiroshi Yoshii, Lim Lee Wah and Kouichi Tsuji

