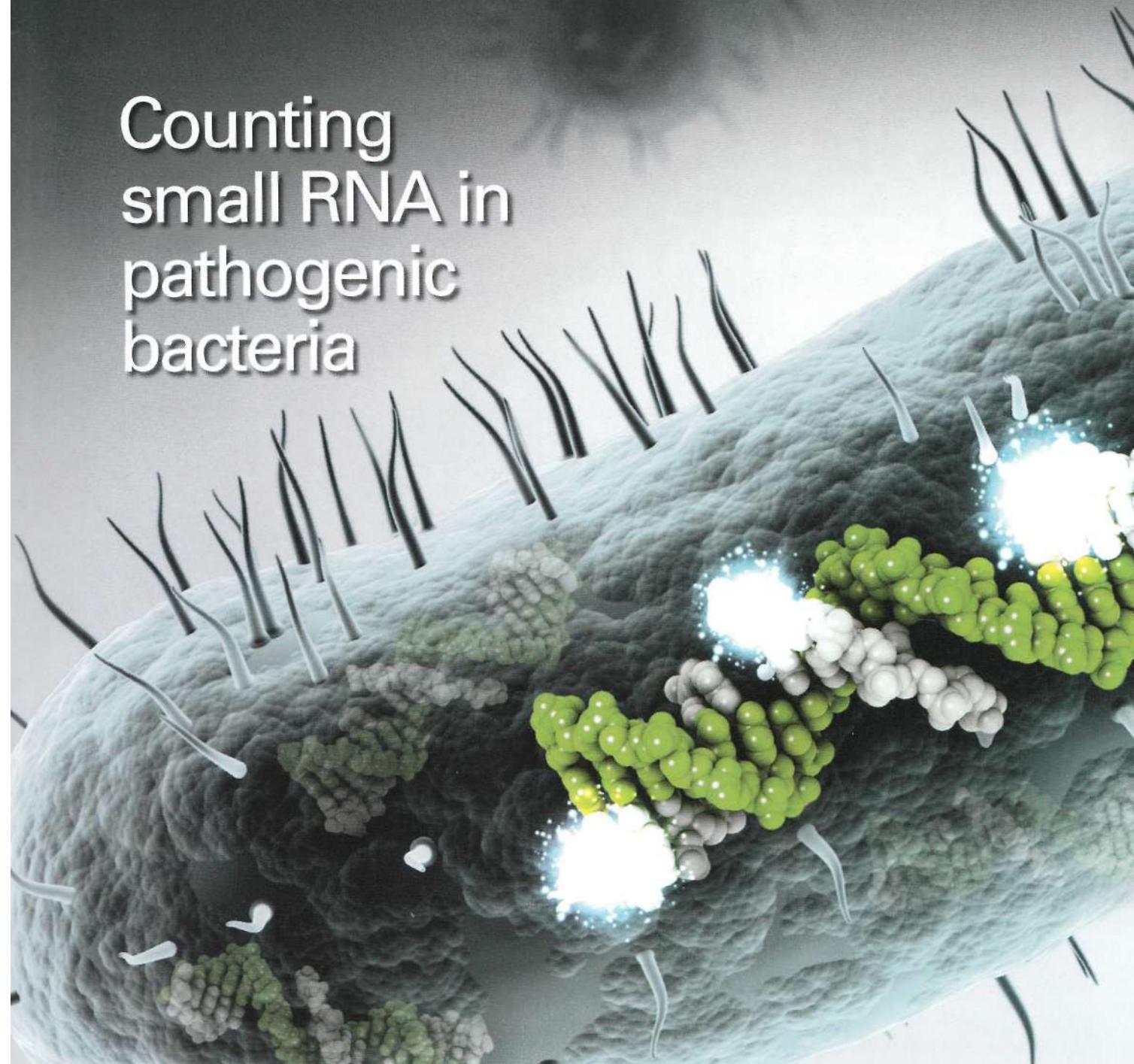


# analytical chemistry

May 21, 2013 Volume 85 Number 10

Counting  
small RNA in  
pathogenic  
bacteria



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**ON THE COVER:** Graphic art depicting the fluorescence labeling and detection of small RNA in the pathogenic bacteria *Yersinia pestis*. Artwork created by Leslie Sandoval, Los Alamos National Laboratory.

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[dx.doi.org/10.1021/ac400287n](https://doi.org/10.1021/ac400287n)**GlycoPep Detector: A Tool for Assigning Mass Spectrometry Data of N-Linked Glycopeptides on the Basis of Their Electron Transfer Dissociation Spectra**

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[dx.doi.org/10.1021/ac4004425](https://doi.org/10.1021/ac4004425)**Generation of Sub-Part-per-Billion Gaseous Volatile Organic Compounds at Ambient Temperature by Headspace Diffusion of Aqueous Standards through Decoupling between Ideal and Nonideal Henry's Law Behavior**Yong-Hyun Kim and Ki-Hyun Kim<sup>†</sup>

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[dx.doi.org/10.1021/ac400556q](https://doi.org/10.1021/ac400556q)**Improved EIS Performance of an Electrochemical Cytosensor Using Three-Dimensional Architecture Au@BSA as Sensing Layer**Chenyi Hu, Da-Peng Yang,<sup>a</sup> Ziyi Wang, Lili Yu, Junliang Zhang,<sup>a</sup> and Nengqin Jia<sup>a\*</sup>

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[dx.doi.org/10.1021/ac4007396](https://doi.org/10.1021/ac4007396)**Curcumin: A Multipurpose Matrix for MALDI Mass Spectrometry Imaging Applications**S. Francesc,<sup>a</sup> R. Bradshaw, B. Flinders, C. Mitchell, S. Bleay, L. Cicero, and M. R. Clench

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[dx.doi.org/10.1021/ac400743w](https://doi.org/10.1021/ac400743w)**Cell-Based Dose Responses from Open-Well Microchambers**Morgan Hamon, Sachin Jambovane, Lauren Bradley, Ali Khademhosseini, and Jong Wook Hong<sup>a\*</sup>

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[dx.doi.org/10.1021/ac400790k](https://doi.org/10.1021/ac400790k)**Microfluidic Device for Efficient Airborne Bacteria Capture and Enrichment**Wenwen Jing, Wang Zhao, Sixiu Liu, Lin Li, Chi-Tay Tsai, Xiaoyong Fan, Wenjuan Wu,<sup>a</sup> Jingyan Li, Xin Yang, and Guodong Sun<sup>a\*</sup>