### Author's Accepted Manuscript

In Situ Plasmonic Generation in Functional Ionic-Gold-Nanogel Scaffold for Rapid Quantitative Biosensing

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www.elsevier.com/locate/bios

PII: S0956-5663(18)30615-8

DOI: https://doi.org/10.1016/j.bios.2018.08.019

Reference: BIOS10683

To appear in: Biosensors and Bioelectronic

Received date: 29 May 2018 Revised date: 21 July 2018 Accepted date: 10 August 2018

Cite this article as: Santosh K. Misra, Ketan Dighe, Aaron S. Schwartz-Duval, Zaixi Shang, Leanne T. Labriola and Dipanjan Pan, In Situ Plasmonic Generation in Functional Ionic-Gold-Nanogel Scaffold for Rapid Quantitative Bio-sensing, *Biosensors and Bioelectronic*, https://doi.org/10.1016/j.bios.2018.08.019

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#### **ACCEPTED MANUSCRIPT**

# In Situ Plasmonic Generation in Functional Ionic-Gold-Nanogel Scaffold for Rapid Quantitative Bio-sensing

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#### **Abstract**

Conventional analytical techniques, which have been developed for high sensitivity and selectivity for the detection and quantification of relevant biomarkers, may not be as suitable for medical diagnosis in resource scarce environments as compared to point-of-care devices (POC).

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