### **Accepted Manuscript**

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PII: S1567-1739(17)30220-1

DOI: 10.1016/j.cap.2017.08.002

Reference: CAP 4556

To appear in: Current Applied Physics

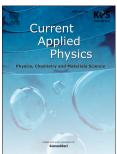
Received Date: 6 December 2016

Revised Date: 8 May 2017

Accepted Date: 1 August 2017

Please cite this article as: Vâ.-Anh. Nguyen, H.L. Nguyen, D.T. Nguyen, Q.P. Do, L.D. Tran, Electrosynthesized poly(1,5-diaminonaphthalene)/polypyrrole nanowires bilayer as an immunosensor platform for breast cancer biomarker CA 15-3, *Current Applied Physics* (2017), doi: 10.1016/j.cap.2017.08.002.

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### ACCEPTED MANUSCRIPT

# Electrosynthesized poly(1,5-diaminonaphthalene)/polypyrrole nanowires bilayer as an immunosensor platform for breast cancer biomarker CA 15-3

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