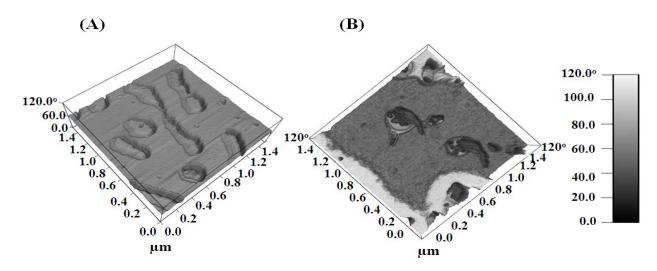
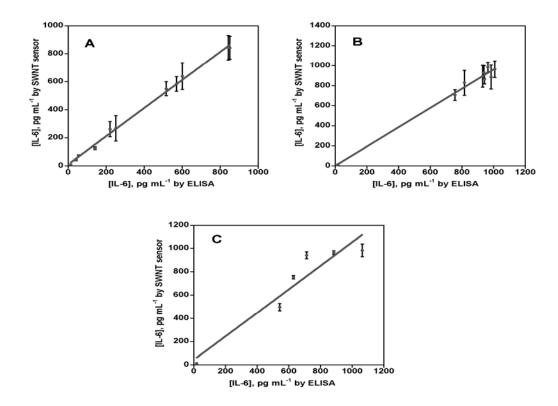
## Ultrasensitive Electrochemical Immunosensor for Oral Cancer Biomarker IL-6 using Carbon Nanotube Forest Electrodes and Multilabel Amplification

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## **Supplementary Data**



**Figure S1.** Phase contrast AFM images of sonicated, surface carboxylated multiwall CNTs isolated on a smooth freshly cleaved mica surface (A) multiwall CNTs not linked with protein; (B) derivatized as biotin-Ab<sub>2</sub>-MWNT-HRP bioconjugate.



**Figure S2.** Correlation plots of SWNT sensor results for conditioned media samples against results from ELISA determinations for the same samples (A) control conditioned media, (B) representative HNSCC conditioned media, (C) sub-set of representative HNSCC conditioned media.

**Table 1S.** Slopes and Intercepts of correlation plots of SWNT sensor results for conditioned media samples against results from ELISA determinations for the same samples.

Conditioned media (Fig.)	Slope ± SD	Intercept ± SD
Control conditioned media (S2A)	$0.99 \pm 0.02$	-10.6 ± 9.2
Representative HNSCC		
conditioned media (S2B)	$1.03\pm0.03$	$4.8 \pm 27.4$
Sub-set HNSCC conditioned media (S2C)	$0.89 \pm 0.14$	18.8 ± 111.9