Decomposition of thimerosal and dynamics of thiosalicylic acid attachment on (001) GaAs surface observed with in-situ photoluminescence

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SUPPORTING INFORMATION

Angle-Resolved XPS data (ToA 60°) of the Ga 3d peak region for GaAs (001) surface

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Figure S1: Angle-Resolved XPS data of the Ga 3d peak region for GaAs (001) surface treated with PBS only (top) and with thimerosal (0.1mg/ml) in PBS solution at pH = 7.4 (bottom). The Ga 3d spectrum of the PBS exposed GaAs (001) surface shows the presence GaO$_x$ peak. However, due to passivation of the GaAs surface with TSA molecule, this peak is not detectable in GaAs (001) exposed to the TMS in PBS solution.