Supporting Information

To "Chemiresistors based on ultrathin gold nanowires for sensing halides, pyridine and dopamine" by Irina S. Muratova, Konstantin N. Mikhelson, Yuri E. Ermolenko, Andreas Offenhäusser and Yulia Mourzina

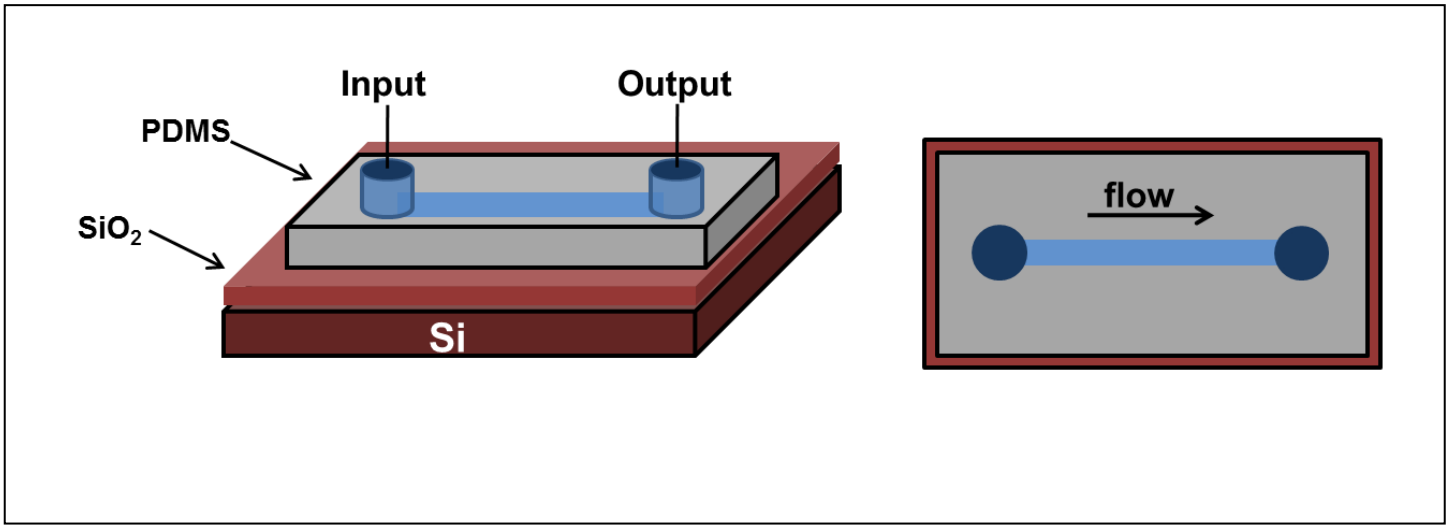

Fig. S1. Scheme of the device for the deposition of NWs using the microfluidic channel technique.

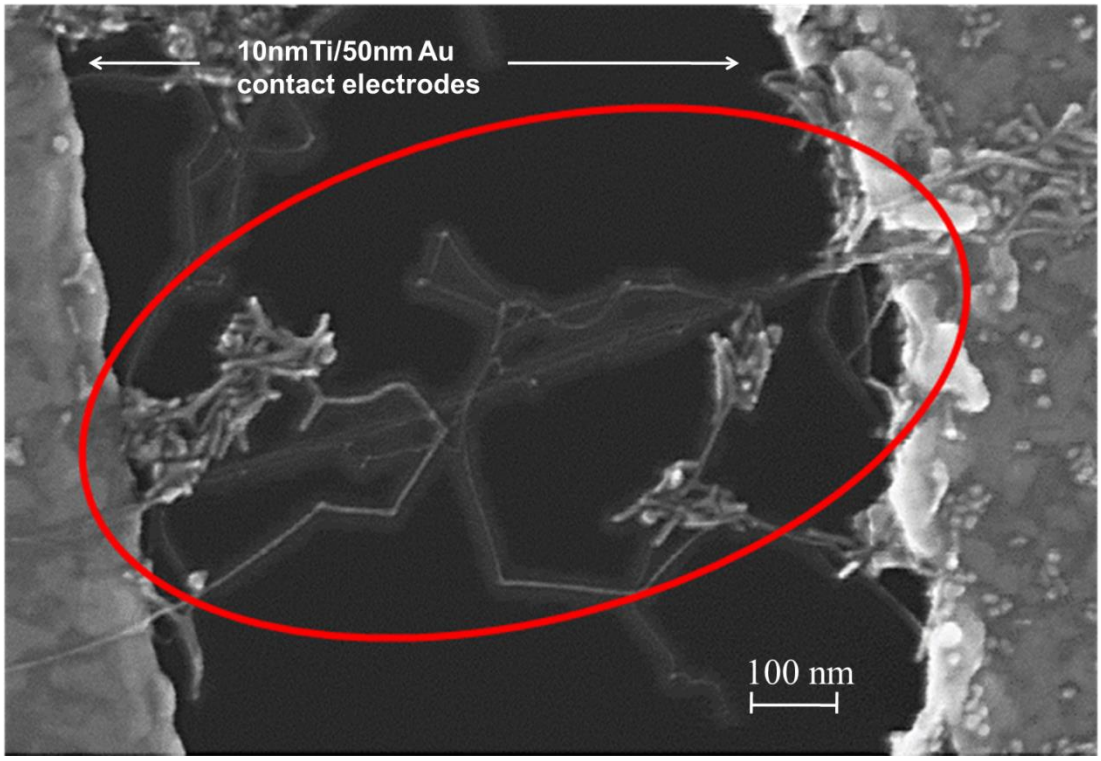

Fig. S2. NWs deposited on the chip by the microfluidic channel technique.

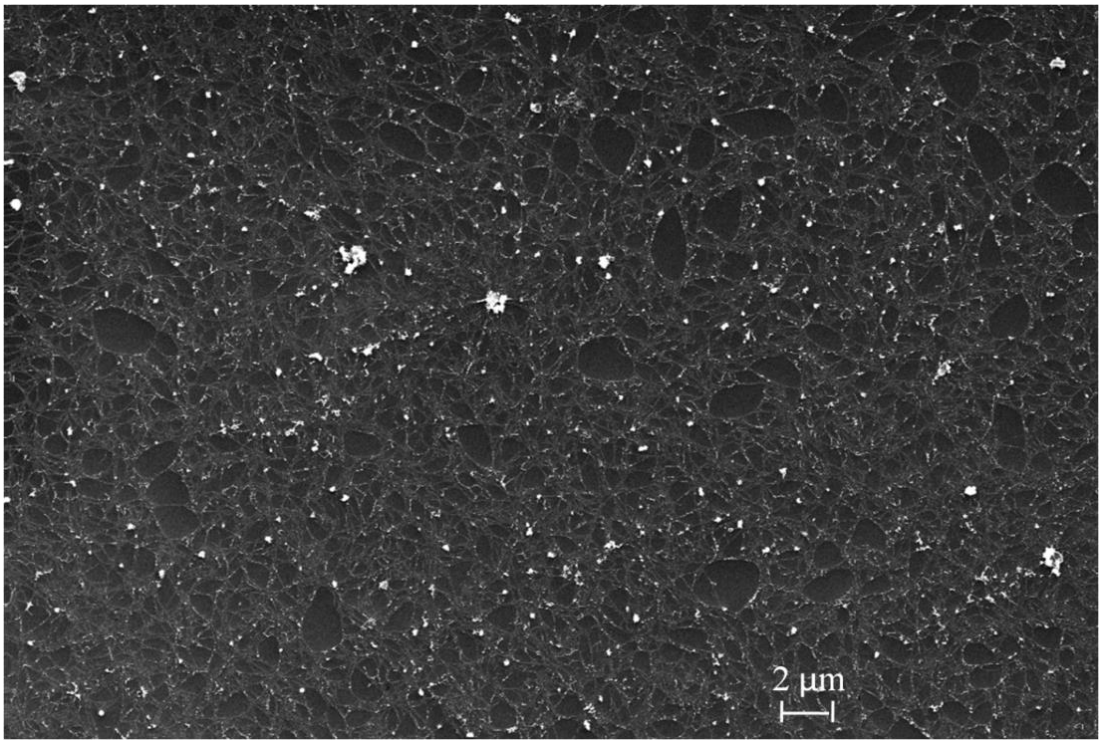

Fig.S3. SEM image of the gold NWs directly synthesized on the Si/SiO_2 surface. Magnification 10.00 KX.

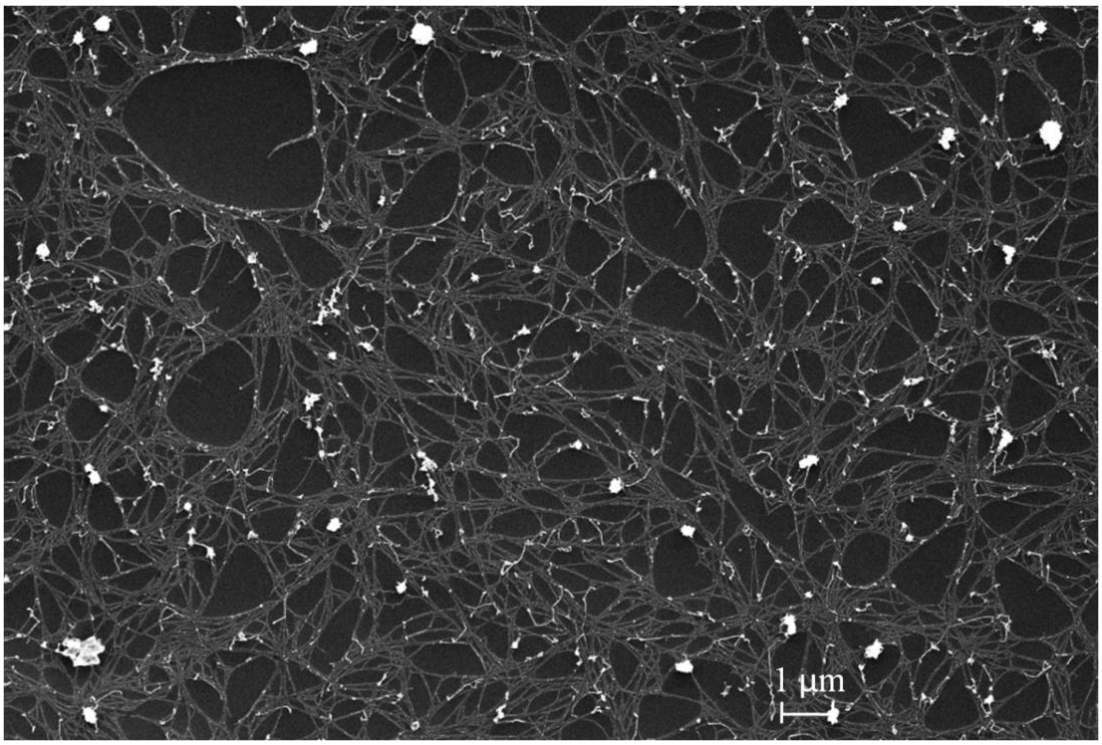

Fig.S4. SEM image of the gold NWs directly synthesized on the Si/SiO_2 surface. Magnification 25.00 KX.

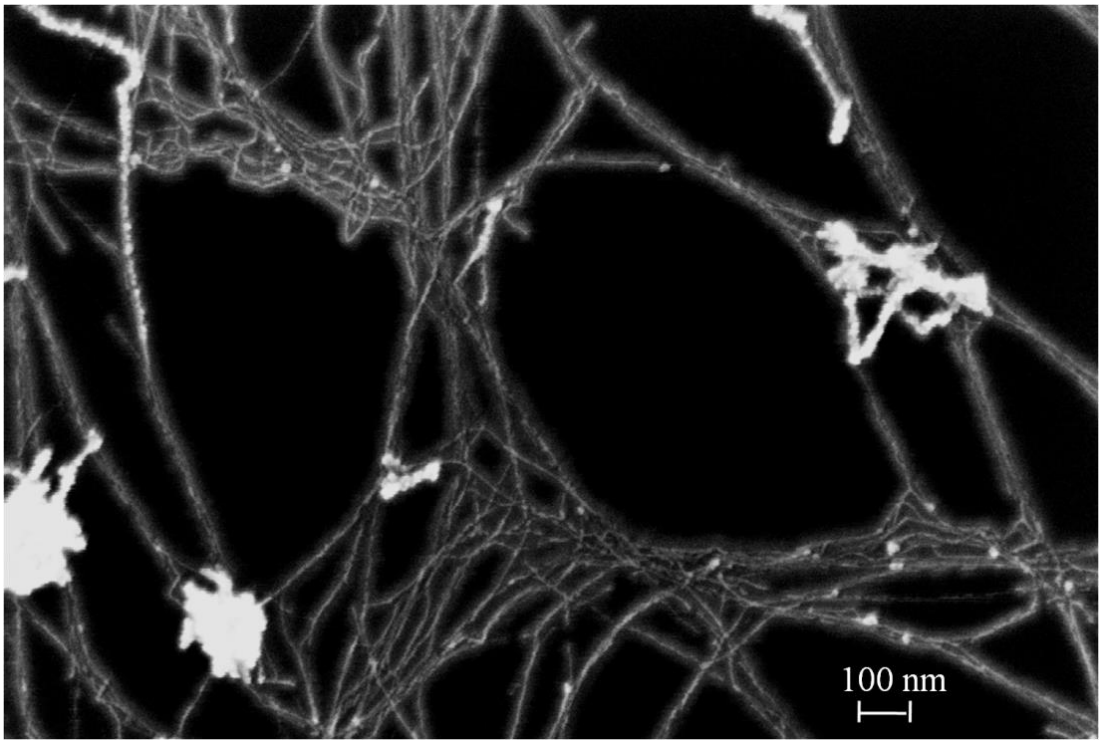

Fig.S5. SEM image of the gold NWs directly synthesized on the Si/SiO_2 surface. Magnification 250.00 KX.

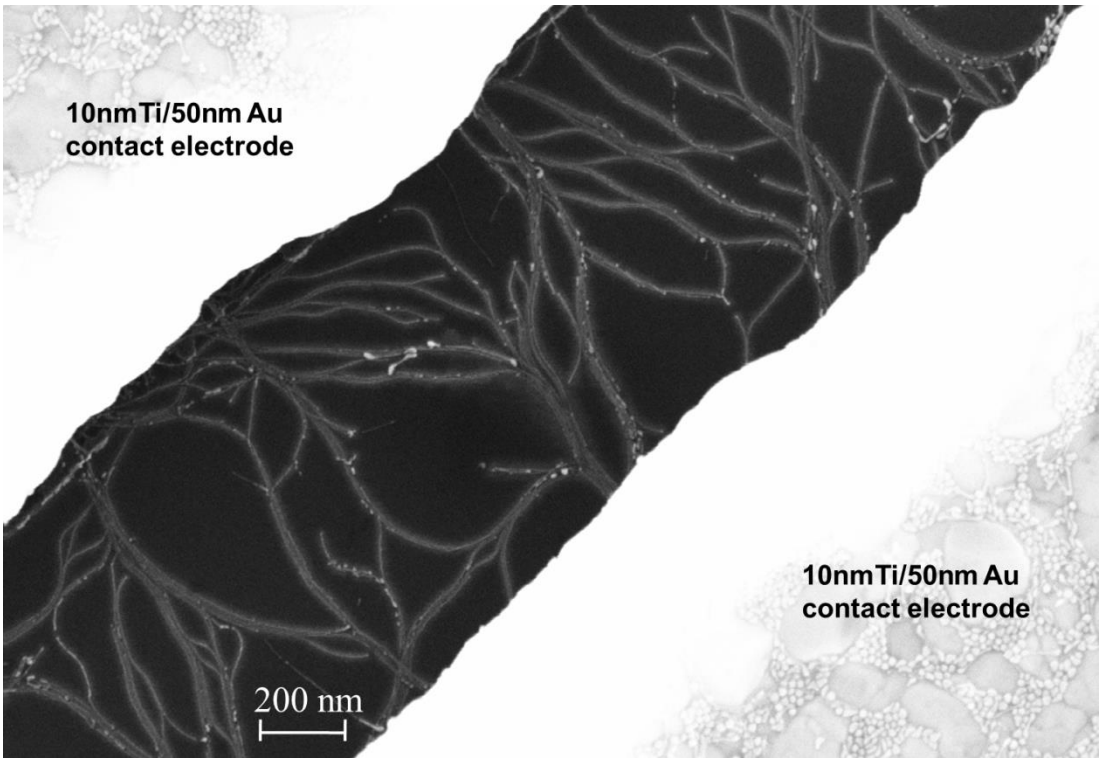

Fig S6. SEM image of a chip with the gold NWs directly synthesized on the chip surface.

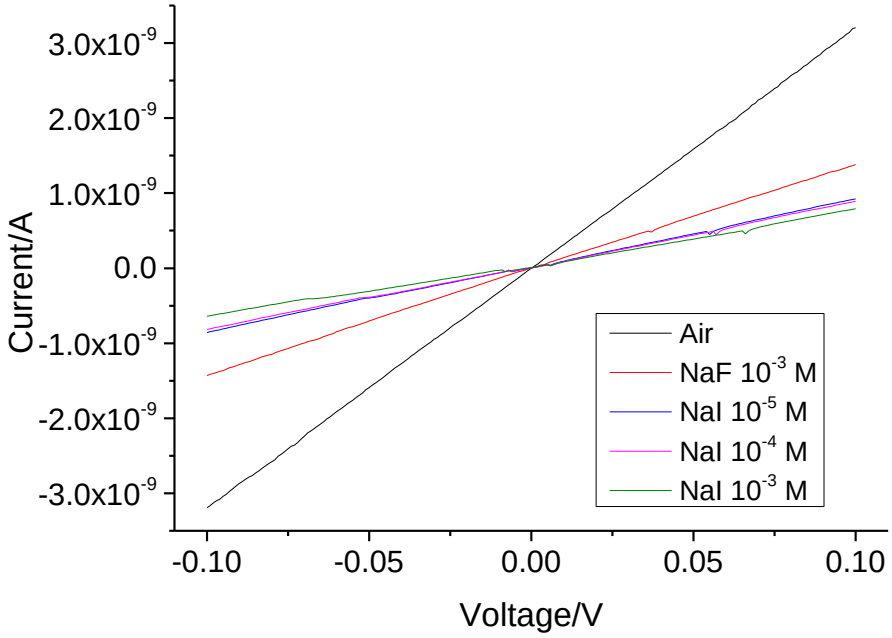

Fig. S7. Current-voltage dependences of NWs in contact with NaI solutions.

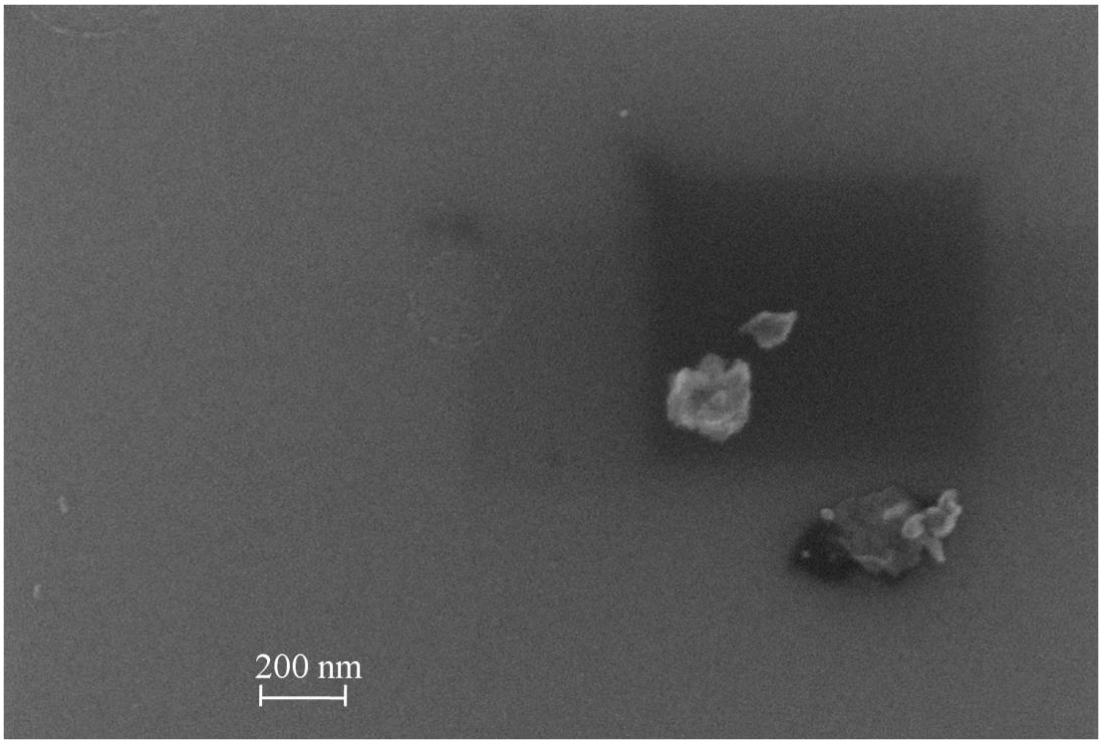

Fig. S8. SEM image of electrodes after contact with NaI solutions.