**Response to the editorial comments:**  
  
1. There is currently no reuse permission for your Figures uploaded to Editorial Manager; please do so.  
***Response:*** We have uploaded "Copyright" PDF which contains all the reuse permission for our figures.

2. 3.2.2: How exactly do you centrifuge the nanopipette? E.g., what container is it in, which side is down, any special precautions, etc.?

***Response:*** We have completed the information about how we exactly centrifuge our nanopipette as follow:

“3.2.2. Centrifuge the nanopipette for 5 minutes at a speed of around 1878 x g for the removal of the air bubbles in the nanopipette.

Note: Place the nanopipette into a homemade holder contained in a 2 mL centrifuge tube. The tip of nanopipette is placed down.”

3. 3.2.3: You earlier mention preparing silicon rubber on a slide (1.4); is this what you are referring to here?

***Response:*** It is true that the prepared silicone rubber mentioned in (3.2.3) is actually the silicon rubber in (1.4). Revised as follow:

“3.2.3 Fix the nanopipette on a coverslip with the prepared silicone rubber (see procedure 1.4) and define the area inside the nanopipette as cis side and the outside as trans side.”

4. Results: Please define FIB.

***Response:*** We have defined “FIB” in (3.3.3.), which refers to “Focus Ion Beam” as follow:

“Apply a 400 mV bias potential and use the EMCCD (see table of Materials) to monitor the fluorescence response at the tip area. Use focus ions beam (FIB) to sculpt the closed-type WNE from the tip to the bottom, and then determine the length of the interior metal layer or nanotip with SEM characterization.”

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