

### Electronic Supplementary Information for Analyst

#### Application of Fast-Scan Cyclic voltammetry for the *in vivo* characterization of optically evoked dopamine in the olfactory tubercle of the rat brain

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#### Supplementary Figures

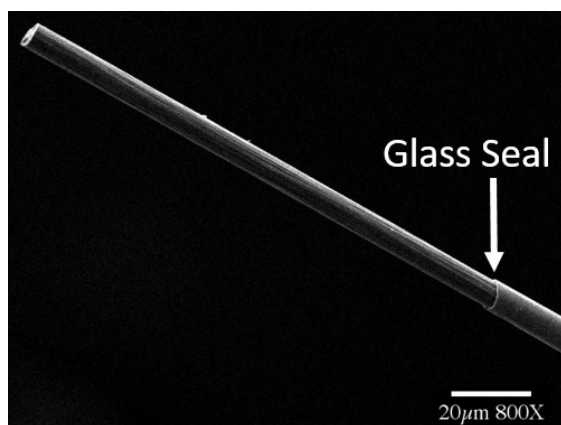


Figure S1. Scanning electron micrograph of an example CFE.

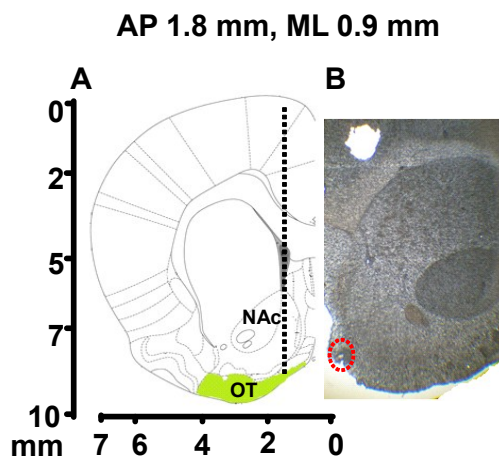
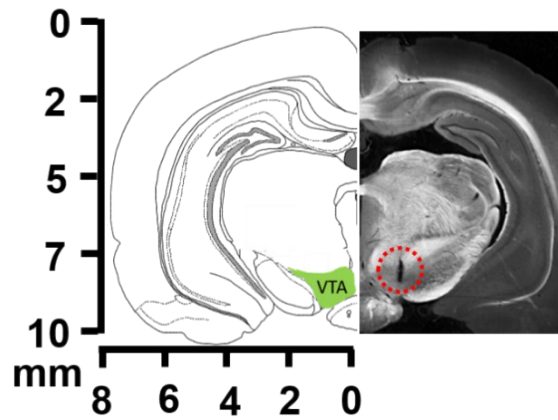


Figure S2. **A** is a coronal section (AP +1.8 mm from bregma, from Paxinos and Watson<sup>39</sup>) schematically showing the approximate path of the microelectrode (dotted line) with targets in

the NAc and OT (filled color). **B** shows a representative coronal micrograph with a lesion in the OT, highlighted with a red circle.



**Figure S3.** A coronal section (AP -5.2 mm from bregma, from Paxinos and Watson<sup>39</sup>) shows a schematic (left) of a coronal micrograph (right) with a representative placement of an optrode in the VTA, highlighted with a red circle.