

Figure S1 Experimental preparation for electrophysiological experiments and electrode placement. (A) Schematic representation of the dorsal view of a mouse head and brain indicating stimulation (STM) and recording (REC) electrode insertion points. **(B)** Summary of the final placement of the stimulating (stars) and recording electrodes determined by electrolytic lesions on the Bregma -2 mm coronal section of mouse brain [53]. Blue symbols represent bexarotene-treated animals, red symbols represent vehicle-treated mice. **(C)** Dark-field micrographs of electrolytic lesions caused through the point of the recording (left) and stimulating (right) electrodes at their final placement.