

# RETRACTED ARTICLE: Implantable neural probes with monolithically integrated CNTFET arrays for multimodal monitoring

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The authors have retracted this article. After conducting replication experiments and subjecting the original results to additional internal validation, the authors discovered that the results regarding the performance of the multimodal neural probes, as presented in Figure 4d and discussed in the Real-time recording of LFP in vivo Section, are not consistently reproducible. Additional experimental work involving a different batch of probes showed that the devices degrade after implantation. The authors concluded that the long-term reliability of the probes cannot be currently determined, and they therefore consider that the conclusions of this work are not fully supported. The authors would like to apologize for any inconvenience caused to the readers of the journal. The online version of this article contains the full text of the retracted article as Supplementary Information.

## Additional information

**Supplementary information** The online version contains supplementary material available at <https://doi.org/10.1038/s41467-025-67535-5>.

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