



Manual Spike Sorting Contest

Announcing the 2024 manual spike sorting contest by the Neurtext Brain Research Institute. This contest offers a \$5000 cash first prize and other prizes for the most accurate spike sorting of a 120 channel set of simulated and actual human intracranial microwire recordings (see website for details of simulations).

This contest is designed to assess how well the spike sorting techniques normally used in this type of recording detect single neuron activity. Most techniques employed to date have used some form of manual adjustment or curation of the results. At the same time, the accuracy of these adjustments in typical recordings has not been established. Any manual or automated technique may be used.

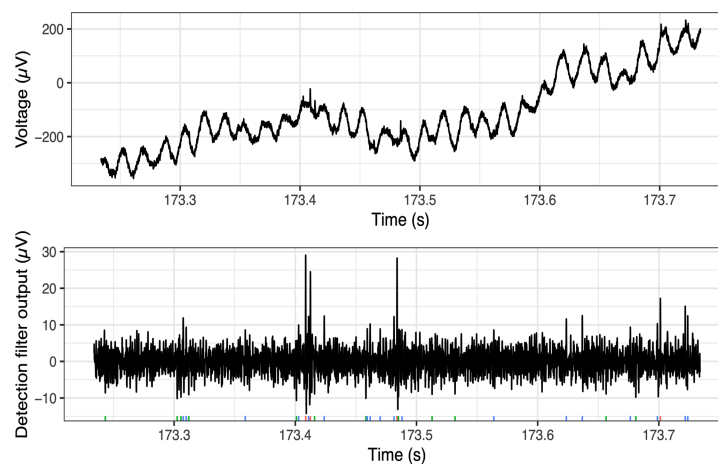
A second (\$3000) prize will also be awarded for the second most accurate sorting and a third prize (\$2000) will be provided for the most accurate identification of those recordings which are simulated versus actual. Accuracy will be judged by the AMI_{all} measure of correspondance between the simulated channels with known spike times and submitted spike sorting results.

Timeframe

The recordings to be sorted will be available as a set of Neuralynx continuously sampled .Ncs files starting September 27, 2024 at <https://osf.io/92z3n/>. Submissions are due by January 30, 2025. Winners will be announced by March 30, 2025.

To Enter

See the announcement at <https://neurtext.org/neurtext-manual-spike-sorting-contest> for more details and instructions on how to download the dataset and submit an entry.



See website <https://neurtext.org/neurtext-manual-spike-sorting-contest/> for full rules and conditions.

