Accepted Manuscript

Title: Automated Detection of Electroencephalography Artifacts in Human, Rodent and Canine Subjects using Machine Learning

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PII: S0165-0270(18)30193-6
DOI: https://doi.org/10.1016/j.jneumeth.2018.06.014
Reference: NSM 8036

To appear in: *Journal of Neuroscience Methods*

Received date: 18-6-2018
Accepted date: 19-6-2018

Please cite this article as: Levitt J, Nitenson A, Koyama S, Heijmans L, Curry J, Ross JT, Kamerling S, Saab CY, Automated Detection of Electroencephalography Artifacts in Human, Rodent and Canine Subjects using Machine Learning, *Journal of Neuroscience Methods* (2018), https://doi.org/10.1016/j.jneumeth.2018.06.014

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Highlights:

- EEG artifacts, if not properly and objectively detected, can confound statistical analysis of quantitative EEG.
- We developed a fully-automated method for detecting EEG artifacts in humans, rodents, and canines using a Support Vector Machine (SVM) approach.
- The method detects several artifact features across species with high accuracy.

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