

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 23, 2025

Avisoft SASLabPro

RRID:SCR_014438

Type: Tool

Proper Citation

Avisoft SASLabPro (RRID:SCR_014438)

Resource Information

URL: <http://www.avisoft.com/soundanalysis.htm>

Proper Citation: Avisoft SASLabPro (RRID:SCR_014438)

Description: Sound analysis software used to process and analyze animal acoustic communications. Its features include digital filtering, real-time spectrogram display, and advanced metadata management. Avisoft SASLabPro is designed to accommodate large numbers of sound files and includes organizational features, including labeling options for single point data and time section labels.

Resource Type: data analytics software, software application, software resource

Keywords: saslabpro, avisoft, spectrogram, digital filtering, sound analysis, animal acoustics, animal communication

Funding:

Availability: Open Source, Public

Resource Name: Avisoft SASLabPro

Resource ID: SCR_014438

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250423T060800+0000

Ratings and Alerts

No rating or validation information has been found for Avisoft SASLabPro.

No alerts have been found for Avisoft SASLabPro.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Kang R, et al. (2024) Loss of *Katnal2* leads to ependymal ciliary hyperfunction and autism-related phenotypes in mice. *PLoS biology*, 22(5), e3002596.

Olszyński KH, et al. (2024) Male rats emit aversive 44-kHz ultrasonic vocalizations during prolonged Pavlovian fear conditioning. *eLife*, 12.

Louder MIM, et al. (2024) Transient sensorimotor projections in the developmental song learning period. *Cell reports*, 43(5), 114196.

Oh H, et al. (2023) *Kv7/KCNQ* potassium channels in cortical hyperexcitability and juvenile seizure-related death in *Ank2*-mutant mice. *Nature communications*, 14(1), 3547.

Caruso A, et al. (2022) Ultrasonic vocalizations in laboratory mice: strain, age, and sex differences. *Genes, brain, and behavior*, 21(5), e12815.

Pulver CA, et al. (2022) Ear pinnae in a neotropical katydid (Orthoptera: Tettigoniidae) function as ultrasound guides for bat detection. *eLife*, 11.

Riccardi E, et al. (2022) Sex-dependent Effects of the Drugs of Abuse Amphetamine and the Smart Drug 3,4-Methylenedioxypyrovalerone on Fear Memory Generalization in Rats. *Neuroscience*, 497, 107.

Kim S, et al. (2022) Postnatal age-differential ASD-like transcriptomic, synaptic, and behavioral deficits in *Myt1l*-mutant mice. *Cell reports*, 40(12), 111398.

Block CL, et al. (2022) Prenatal environmental stressors impair postnatal microglia function and adult behavior in males. *Cell reports*, 40(5), 111161.

Kamitakahara AK, et al. (2021) MET Receptor Tyrosine Kinase Regulates Lifespan Ultrasonic Vocalization and Vagal Motor Neuron Development. *Frontiers in neuroscience*, 15, 768577.

Leiser-Miller LB, et al. (2021) Functional differences in echolocation call design in an

adaptive radiation of bats. *Ecology and evolution*, 11(22), 16153.

Kweon H, et al. (2021) Excitatory neuronal CHD8 in the regulation of neocortical development and sensory-motor behaviors. *Cell reports*, 34(8), 108780.

Laham BJ, et al. (2021) Newborn mice form lasting CA2-dependent memories of their mothers. *Cell reports*, 34(4), 108668.

Leiser-Miller LB, et al. (2020) A Fruitful Endeavor: Scent Cues and Echolocation Behavior Used by *Carollia castanea* to Find Fruit. *Integrative organismal biology (Oxford, England)*, 2(1), obaa007.

Binder MS, et al. (2020) NS-Pten adult knockout mice display both quantitative and qualitative changes in urine-induced ultrasonic vocalizations. *Behavioural brain research*, 378, 112189.

Sledziowska M, et al. (2020) Complex Interactions between Genes and Social Environment Cause Phenotypes Associated with Autism Spectrum Disorders in Mice. *eNeuro*, 7(4).

Rojas-Carvajal M, et al. (2020) Neurobehavioral Effects of Restricted and Unpredictable Environmental Enrichment in Rats. *Frontiers in pharmacology*, 11, 674.

Binder M, et al. (2020) A comparison of the Avisoft (v.5.2) and MATLAB Mouse Song Analyzer (v.1.3) vocalization analysis systems in C57BL/6, Fmr1-FVB.129, NS-Pten-FVB, and 129 mice. *Journal of neuroscience methods*, 346, 108913.

Shin W, et al. (2019) Scn2a Haploinsufficiency in Mice Suppresses Hippocampal Neuronal Excitability, Excitatory Synaptic Drive, and Long-Term Potentiation, and Spatial Learning and Memory. *Frontiers in molecular neuroscience*, 12, 145.

Johnson JL, et al. (2019) Inhibition of Upf2-Dependent Nonsense-Mediated Decay Leads to Behavioral and Neurophysiological Abnormalities by Activating the Immune Response. *Neuron*, 104(4), 665.