

# Resource Summary Report

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## Ear Lab

RRID:SCR\_002531

Type: Tool

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### Proper Citation

Ear Lab (RRID:SCR\_002531)

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### Resource Information

**URL:** <http://www.theearlab.org>

**Proper Citation:** Ear Lab (RRID:SCR\_002531)

**Description:** A computationally oriented experimental laboratory interested in the encoding of auditory information in the cerebral cortex and brainstem, and in the mechanisms of tinnitus and the effect of various drugs (Lidocaine, steroids, anti-oxidants) in relieving noise trauma induced tinnitus. The ferret (*Mustela putorius*) and the rat serve as their system model. Through chronic implants, they obtain electrophysiological data from awake behaving animals in order to investigate the response properties and functional organization of the auditory system, both in health and after noise trauma that induces tinnitus in rats. Projects: \* Response Modulation to Ongoing Broadband Sounds in Primary Auditory Cortex \* Neuronal Response Characteristics in the Inferior Colliculus of the Awake Ferret and Rat \* Spectro-Temporal Representation of Feature Onsets in Primary Auditory Cortex \* Targeting the changes in inferior colliculus induced by tinnitus

**Abbreviations:** Earlab

**Synonyms:** the ear lab

**Resource Type:** organization portal, data or information resource, portal, laboratory portal

**Keywords:** ear, auditory, cerebral cortex, behavior, health, noise, trauma, research, engineering, primary auditory cortex, neuron, brainstem, tinnitus, drug, lidocaine, steroid, anti-oxidant, computation, auditory system, sound, mustela putorius, inferior colliculus

**Related Condition:** Tinnitus, Healthy

**Funding:**

**Resource Name:** Ear Lab

**Resource ID:** SCR\_002531

**Alternate IDs:** nif-0000-00404

**Record Creation Time:** 20220129T080213+0000

**Record Last Update:** 20250411T054742+0000

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## Ratings and Alerts

No rating or validation information has been found for Ear Lab.

No alerts have been found for Ear Lab.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.