

# Division of perception and psychophysics

**Perception psychology** explores how the brain processes and interprets information received through the senses: sight, hearing, touch, taste, and smell. **Psychophysics** examines the relationship between external stimuli and individuals' subjective experiences of them.

Our research spans a variety of fields, including cognitive psychology, psychophysiology, neuropsychology, and environmental psychology.

## Research

Our research scope is broad. Below are some current areas of focus:

- Visual perception and working memory
- Interactions between the sense of smell, memory, emotions, and decision-making
- Olfactory changes as indicators of brain health
- Development of cognitive ability tests
- Echolocation and auditory perception in blind individuals
- Brain activity associated with conscious experience



## Gösta Ekman Laboratories

The Gösta Ekman Laboratories are state-of-the-art facilities designed for advanced studies of sensory functions. They are equipped with specialized tools for investigating smell and auditory perception, as well as dedicated laboratories for psychophysiological measurements (EEG) and eye-tracking.



## Research Funding

- The Swedish Research Council
- The Wallenberg Foundations
- The Bank of Sweden Tercentenary Foundation
- Promobilia

## Education

Researchers in the division contribute to teaching at undergraduate, advanced, and doctoral levels. Core subjects include perception, cognition, methodology, statistics, evolutionary psychology, and psychophysiology. We also offer supervision for bachelor's, master's, and PhD students.

## Contact

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