



The Lorry I. Lokey Interdisciplinary Center  
for Life Sciences and Engineering

NETWORK BIOLOGY RESEARCH LABORATOR



## EEG – Correlates of Change Detection and Change Blindness

### Background:

Change blindness is a psychological phenomenon that occurs when a change in a visual stimulus goes unnoticed by the observer.

**Electroencephalography (EEG)** - recording of electrical activity across the scalp evoked by neural activity in the brain.

**Change blindness: failure to detect changes**

### Prerequisites:

- MAMAT - Introduction to software systems design
- MAVLAS - Digital signal processing
- Length: 2 semesters.

### Project Description:

In this project we shall analyze EEG signals called ERP (Event Related Potentials) recorded from people in different awareness states.

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