

# Research on the brain functions

- Resting state functional magnetic resonance imaging (rsfMRI) measures the spontaneous activity of the brain when a participant is not performing an explicit task.
- We can identify several resting state networks in normal healthy volunteers by analyzing low-frequency fluctuations of the blood-oxygen-level dependent signal measured using rsfMRI.
- The rsfMRI data is processed using seed-based connectivity analysis or independent component analysis enabling us to visualize clusters of distinct brain regions showing synchronous activity.