Overview
• **Aims:**
  • To study brain signals at different emotional states
  • To study brain signals when subjected to external stimuli (e.g. scents, etc.)
  • To study brain signals relating to sleep disorders
  • To develop BCI based games
• **Partners:** DSO National Laboratories, National University Hospital

**Results:**
• High emotion recognition accuracy
• Novel wavelet based method
• ELM classifier

**EEG Set Up**

**Methodology**

**PSD of Brain Signals**

(a) Playing Games
(b) Lying Down (with burning scent)

**3D Dipole Localization**