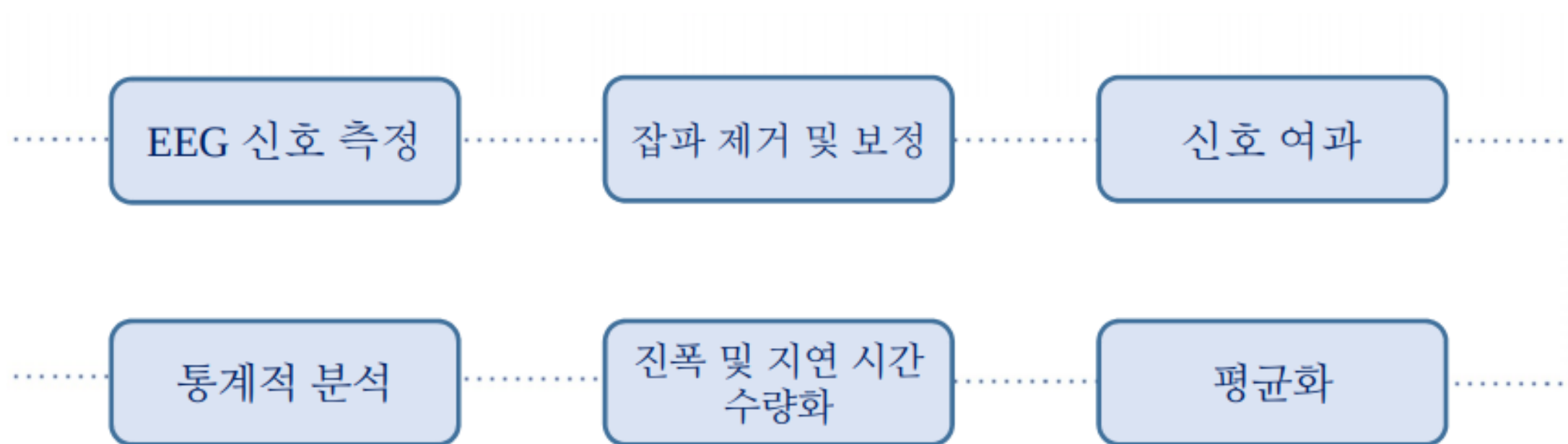


EEG & ERP

EEG (Electroencephalogram)

- Electrical activity of the brain measured by electrodes on the scalp
- Amplify the signal
- Plot the changes in voltage over time

EEG



ERP(Event-related Potential)

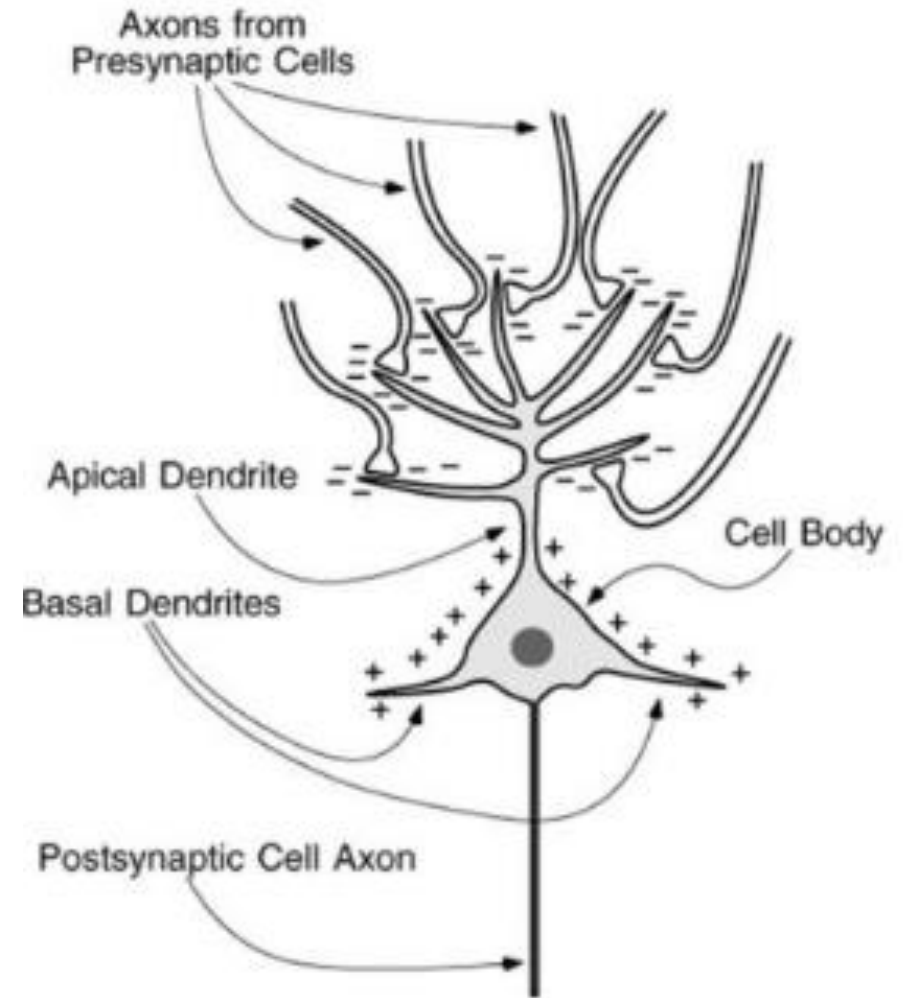
- Electrical potentials that are related to specific events
- 뇌의 활동에 대한 단서
- 어떤 처리 과정이 실험 조작으로 인해 영향을 받는지 직접적으로 알 수 있음
- BUT onset of the stimulus need to be clear

Basic Electrical Concepts

- Current(전류)
- Voltage(전압)
- Resistance(저항)
- Electricity and Magnetism(전기와 자기)

Neural Origins

- Electrical Activities in Neurons :
Action potential & Postsynaptic potential
- EEG records postsynaptic potential



Dipole & Inverse Problem

