OpenScope databook
&
Visual Coding dataset

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OpenScope Databook

- Open-access collection of Jupyter notebooks which document analysis and visualization of brain and behavioral data

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- Open-access collection of Jupyter notebooks which document analysis and visualization of brain and behavioral data
- Code, access, texts, references and revisions are publicly available on github
- Organized into chapters including data visualization and documentation of analyses usually carried out in neuroscience
  - Opening and using NWB files
  - First order analysis (showing receptive fields, identifying optotagged units, classifying neurons etc,)
  - Higher order analysis (GLMs, CEBRA, GLMHMMs)
  - Details on OpenScope experiments
  - Data visualization and alignment

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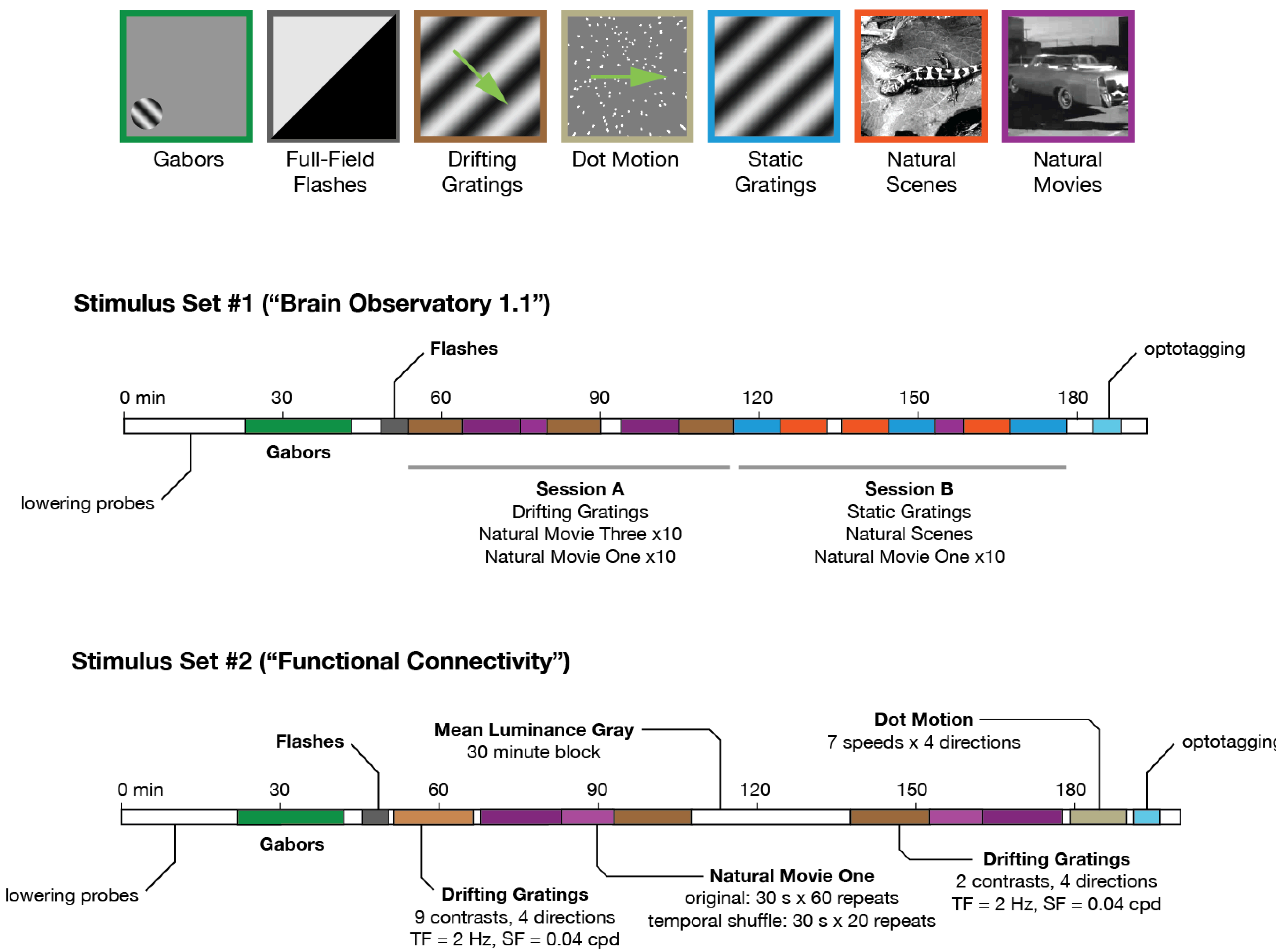
Allen Institute's Visual Coding dataset



Visual Coding - Neuropixels

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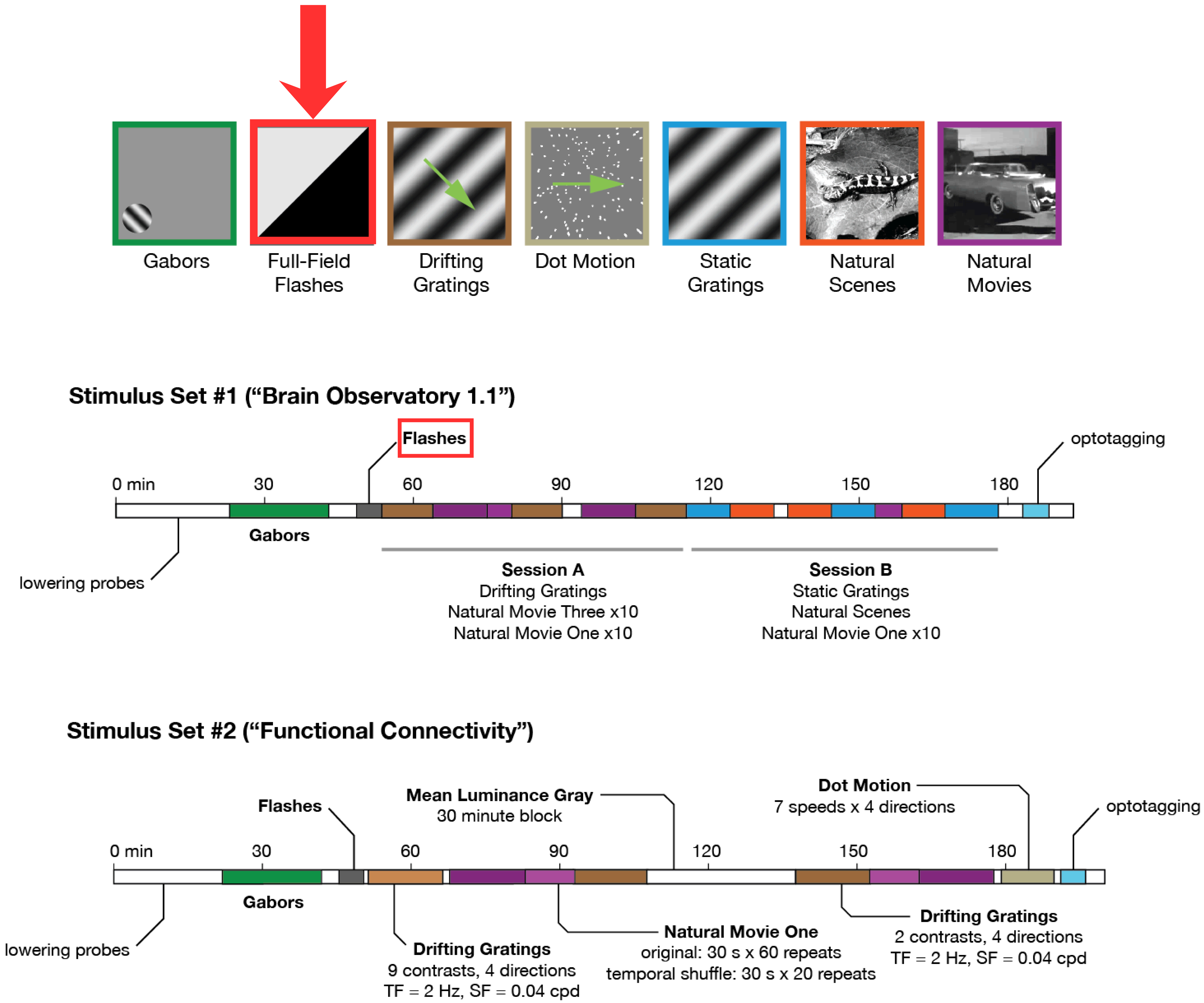
Allen Institute's Visual Coding dataset



Visual Coding - Neuropixels

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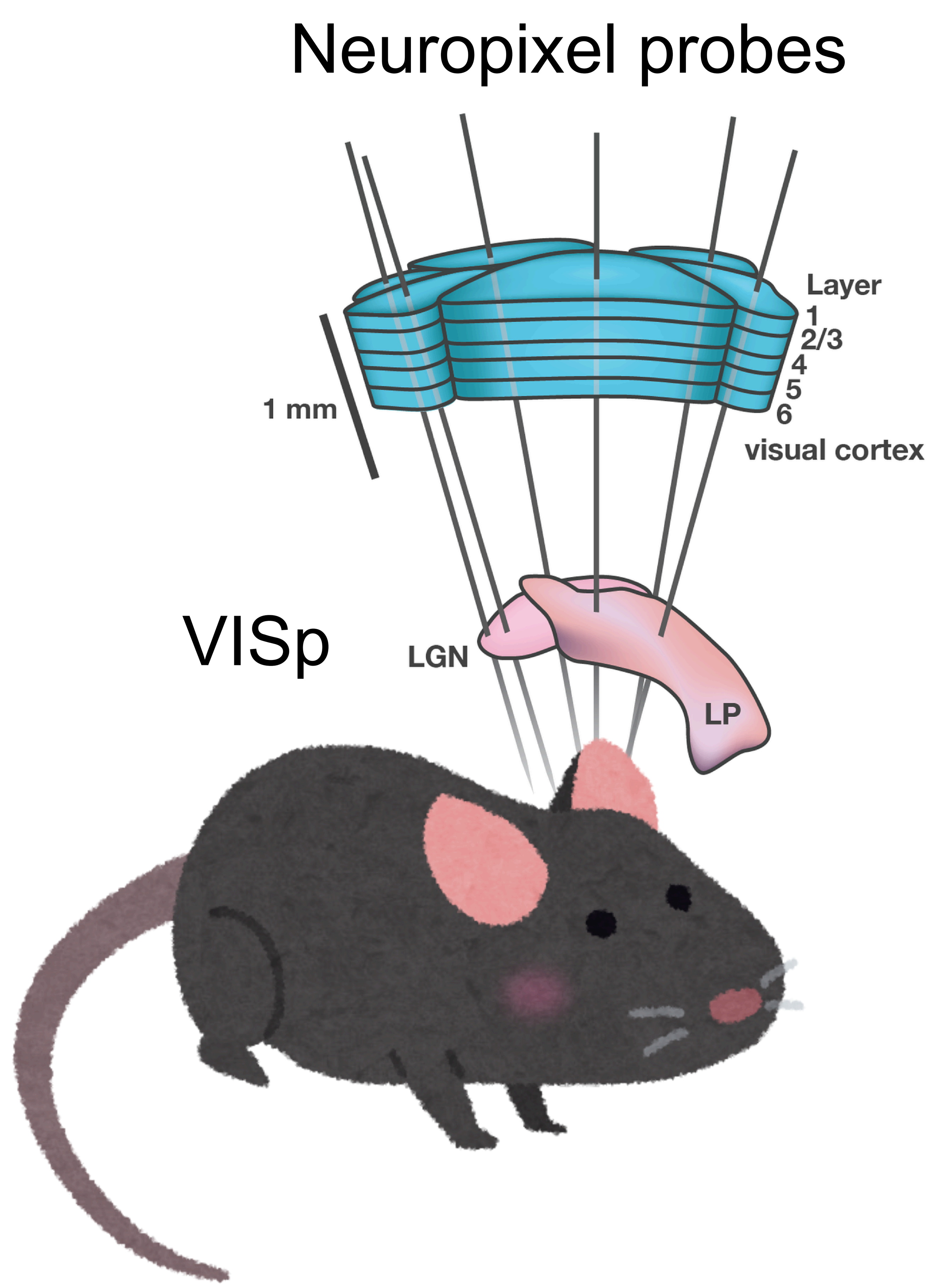
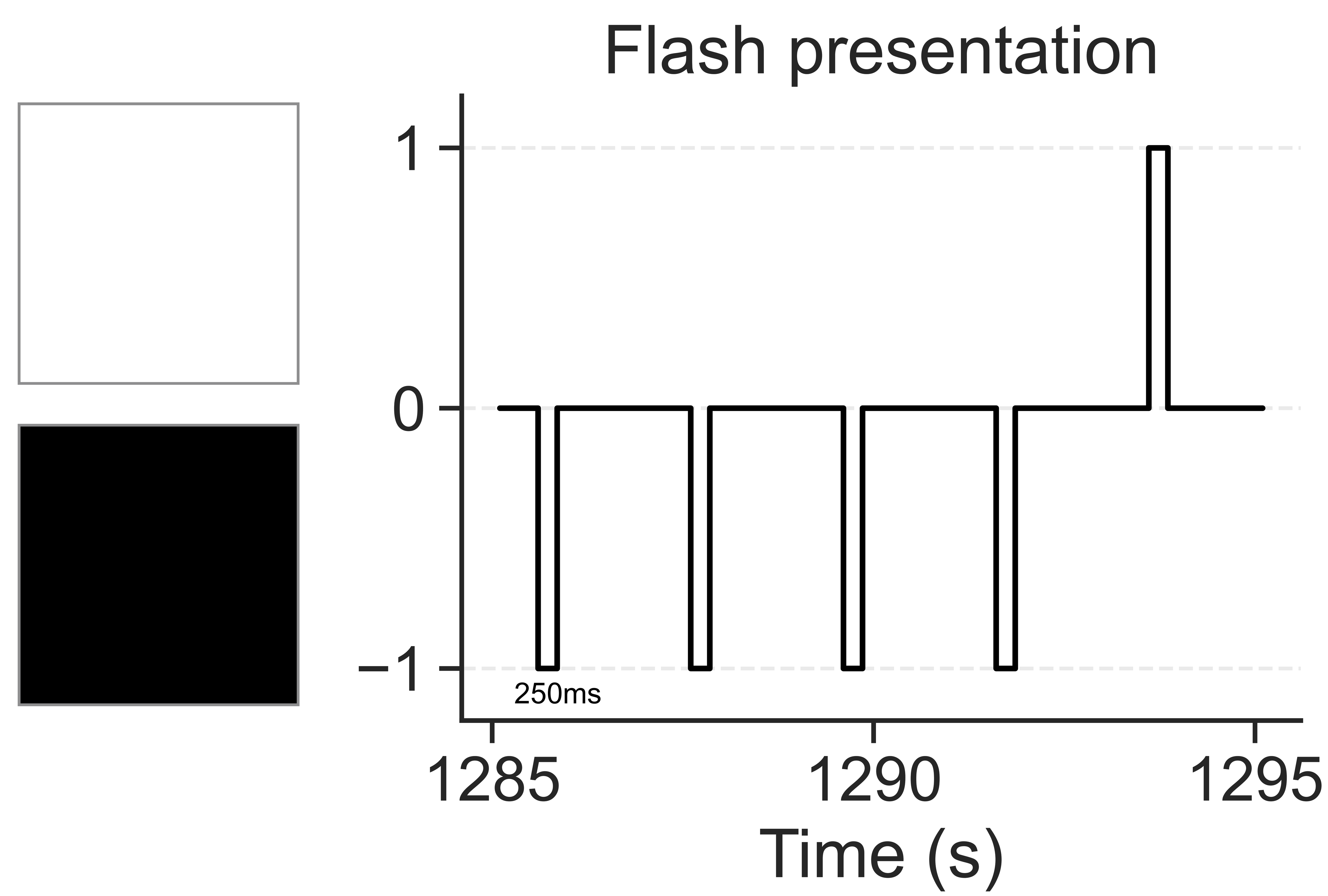
Full-Field flashes task





- Primary visual cortex recording
- Passive exposure to full-field flashes of color either black (coded as “-1.0”) or white (coded as “1.0”) in a gray background
- Brief 250 milisecond flashes

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