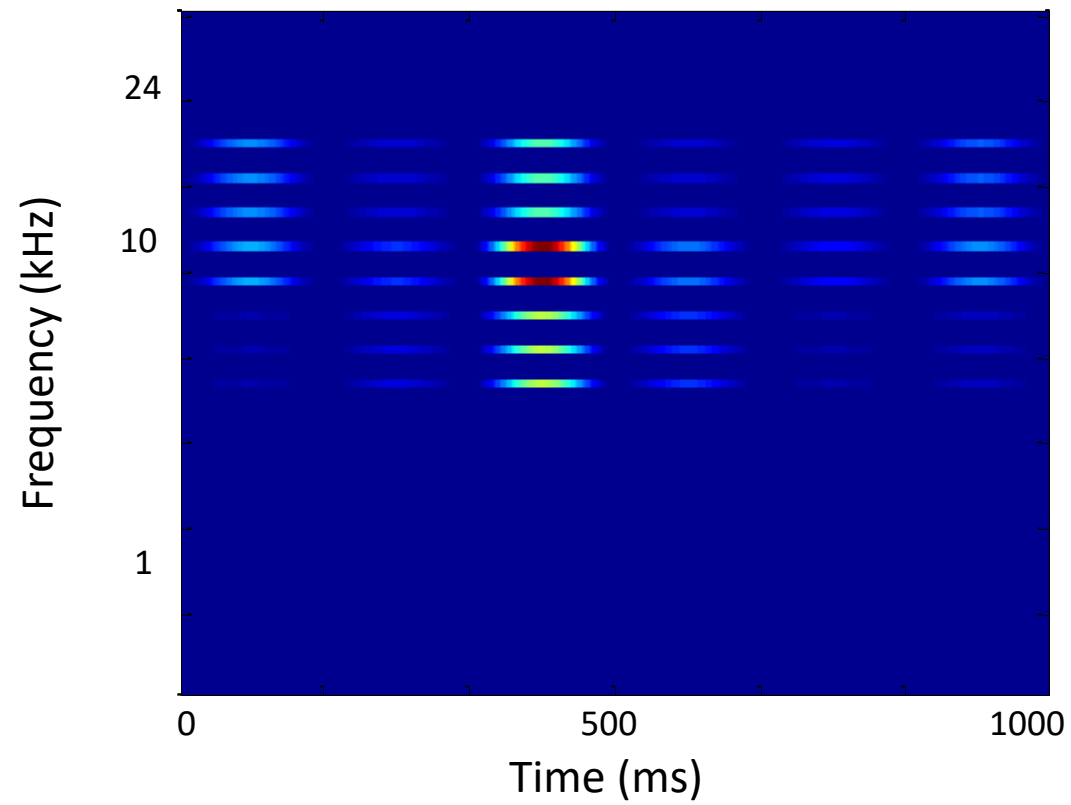


Exposure stimuli

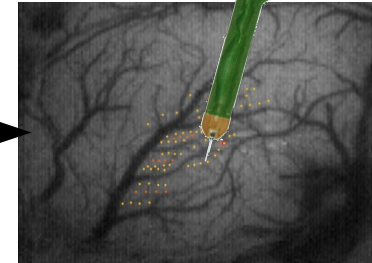
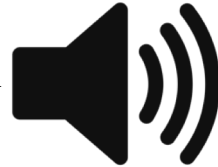
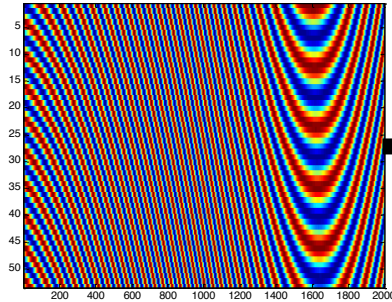
Reared from P9 with two-chord stimuli playing continuously.

- 5 notes/chord
- 2 note overlap
- Amplitudes drawn independently from exponential distr.
- 6 pulses/second
- 70db SPL max

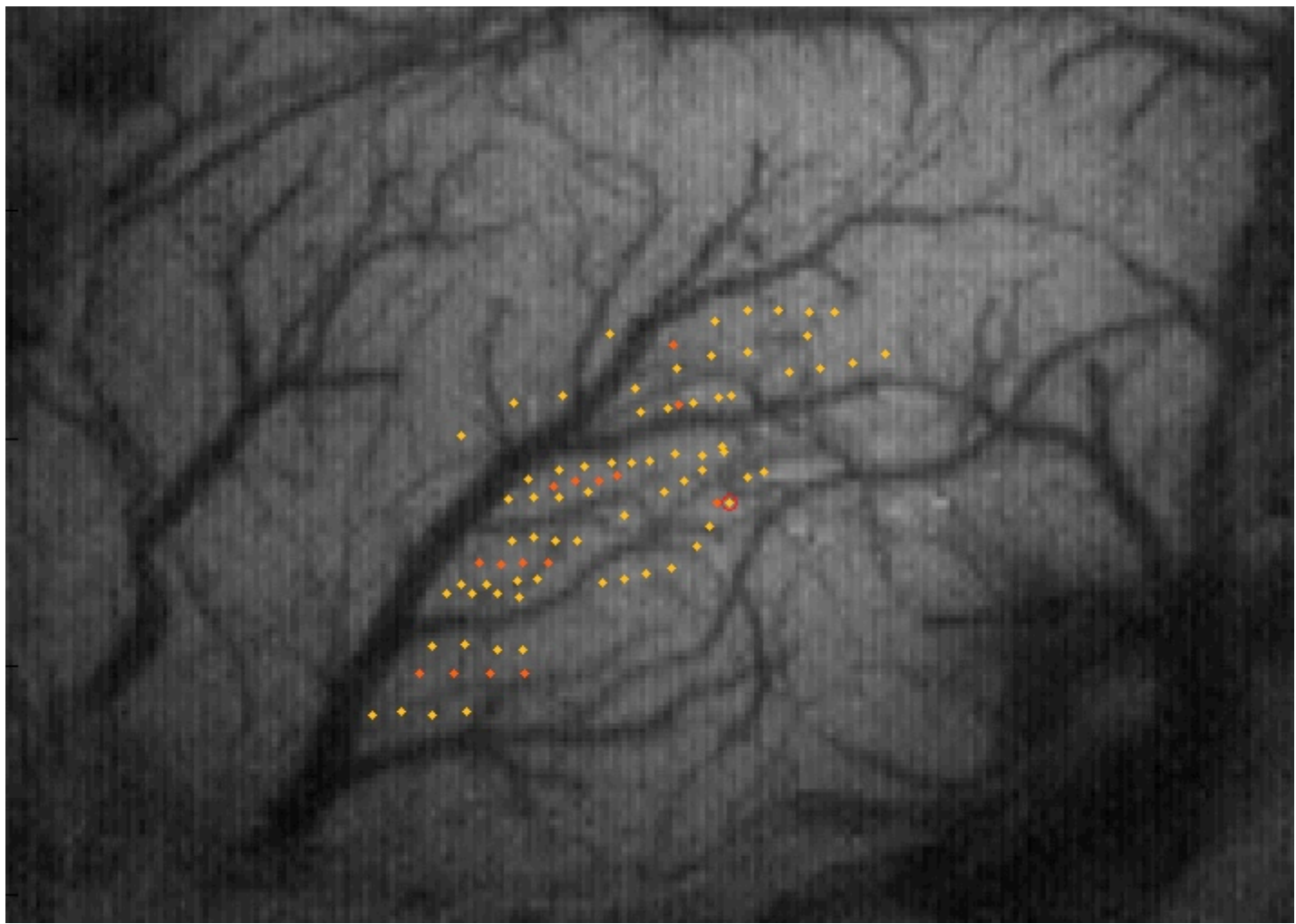


P30+ receptive field measurement

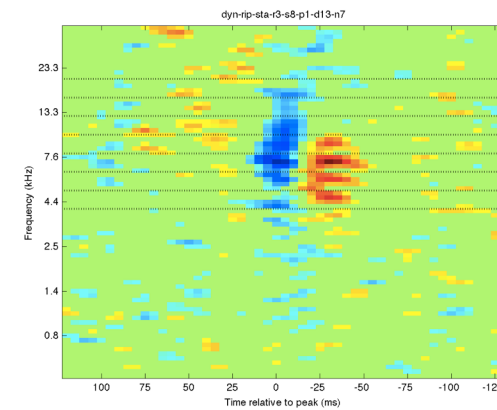
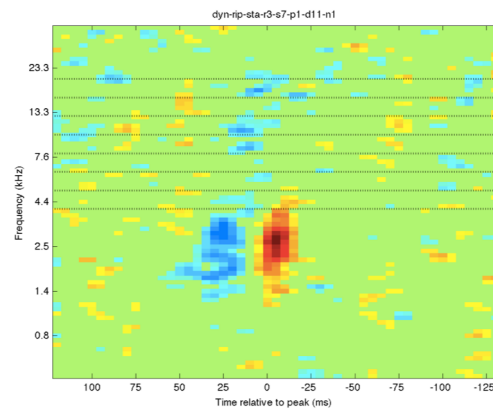
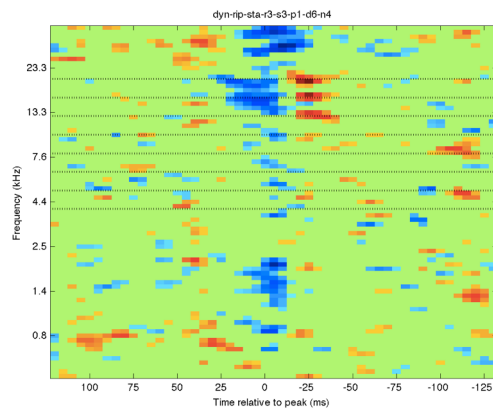
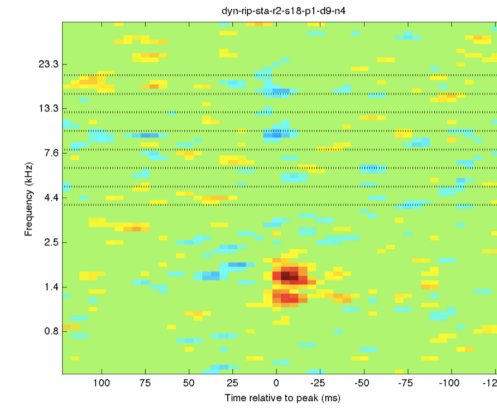
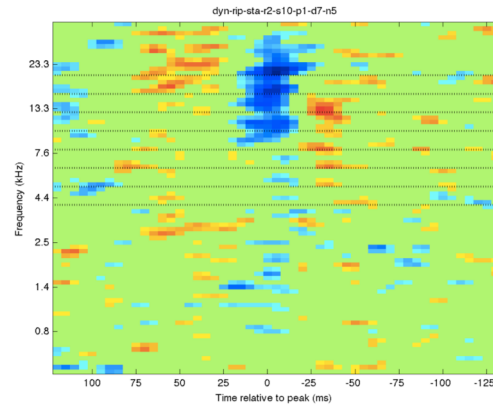
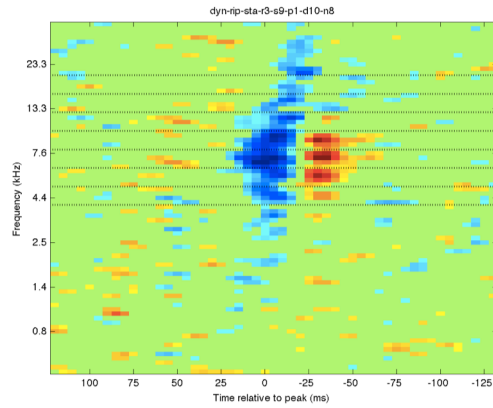
Dynamic moving ripple



Dependent variable:
STA



Chord-exposed STAs



Predictions

Hebbian

- Overlapping notes are most strongly correlated
- All notes are strongly correlated relative to natural sounds
- Prediction: Strong representation of on-chord notes

ICA-like

- Each chord is independent
- Natural sounds are independent of chords
- Prediction: Representation of chord A or chord B; representation of off-chord notes that carry natural sounds