Cognitive neuroscience and psychology of music

Some Current Projects:

Autobiographical Memory

- Which memory cues (music or others) are most effective in healthy aging and Alzheimer's disease?

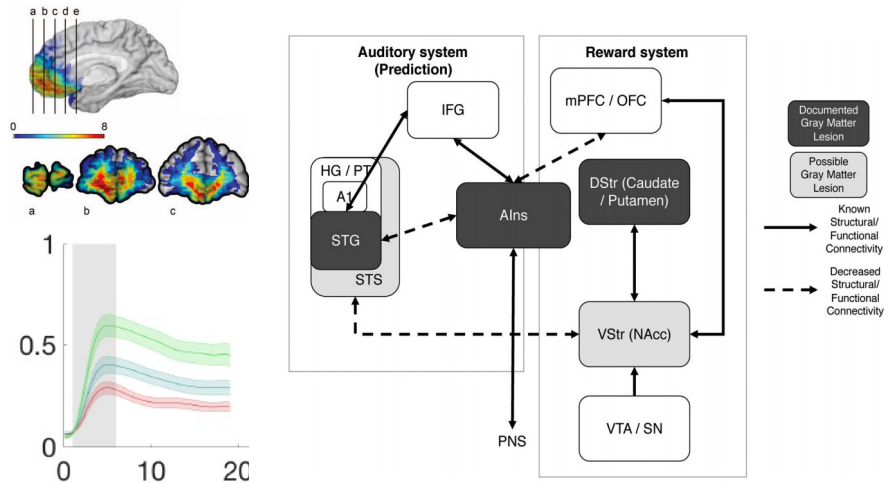### Emotion, Preference, and Choice

- How do individuals make aesthetic choices over time ("Why do we like what we like?")
- What are the characteristics of selective musical anhedonia, and does this change across the lifespan?

Conceptual Representations

- What are the neural correlates of lexical and conceptual retrieval for semantically unique items (e.g., songs, faces)?

Methods

- Behavior, neuropsychology, psychophysiology (ECG, EDA), neuroimaging (fMRI, fNIRS)

Neuropsychological studies of patients with focal brain damage (Belfi et al., 2018); continuous ratings of aesthetic preferences (Belfi et al., 2019); neuroanatomical model of musical anhedonia (Belfi & Loui, 2020)

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Keywords

- Cognitive psychology, neuroscience, neuropsychology, music, memory, emotion, language, preferences, aging

Potential Collaboration fields

- Cognitive neuroscience, auditory perception, neurological disorders, memory, emotion, language, decision-making

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