

PhD potential outline  
Avital Sternin

What is it like to a \_\_\_\_\_ adult?

young  
old  
healthy  
disordered

What is it like to be a bat? - Thomas Nagel

“At present, we are completely unequipped to think about the subjective character of experience without relying on the imagination – without taking up the point of view of the experiential subject. This should be regarded as a challenge to form new concepts and devise a new method – an **objective phenomenology** not dependent on empathy or the imagination”

phenomenology: systematic reflection on and study of the structures of consciousness and the phenomena that appear in acts of consciousness.

Two parts to the puzzle:

1. how the subject perceives the world
  - previous experiences
  - memory
2. how the subject interacts with the world
  - cognitive abilities

Can we use intersubject synchrony (driven by music) to probe and discover what it is like to be an adult human in the world?

- Using ISS to music as the objective method

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What is it like to be an aging adult? How can we best articulate it?

- Measuring cognition with age – why CBS is a good addition to the MoCA
- Older adult synchrony to familiar and unfamiliar music
  - compared to young adults
- Hachinski RUSH data – AFLM grant?
  - Understanding how aspects of cognition/emotion/mobility change with age and with disease progression

How do older adults perceive their world? (through music perception)

- Older adult synchrony to familiar and unfamiliar music (trained AND long known)
  - compared to young adults
- Older adult marker of music familiarity
  - compared to young adults

Do the cognitive abilities of older adults affect how they perceive their world?

- CBS related to synchrony to music

What happens in the presence of a neurodegenerative disease?

- Scanning AD patients to well known music? (the link would be the older adult trained AND long known data)
  - Maybe early stages or early dementia