Logistics:

* Visa for london
* Time schedule: 2-3 months to set things up, then either 2-3 online experiments or one big one
* Rather advice against MRI or other neuroscientific stuff

Ideas for proposal:

* Build theory and then push it forward with empirical data
* Develop the field
* Why London:
  + PPV
  + Variability
  + Sophisticated online testing
  + Phonetics and speech sciences
  + Computer linguistics departman

**Project:**

Overall background:

* We do form an impression about voices the moment we hear them
* No matter the familiarity
* We infer a lot of information
* Captured in the PPV
* Naturalness is important for many reasons and a very timely topic
* Especially synthetic voices will form an integral part of all our lives soon
* We do know that people are very sensitive of unnatural voice features
* But how this impact interaction and conversation -> we have no idea
* But we lack behind with conceptualization of naturalness
* Theory building in this area is sparse -> we are working on that
* Put the definition in here
* Deviation-based naturalness: no way of defining it without learning/experience history
* Capture the variability of perception and reaction to “unnatural” voice features
* The role of perceptual experience for the assessment of naturalness in human and artificial voices
* Methodology: include healthy, pathological, synthetic and manipulated voices
* Short term: adaptation
* Medium term: audiobook intervention?
* Long term: learning history, usage of
* Transfer? Across different stimulus types
* Maybe a small exploratory toll on expression.
* Exp1: questionnaire on voice assistant use and correlate ratings of naturalness of many voices / or “slider” alongside voice morphing continuum?

Why London:

* Impression formation
* PPV
* Sophisticated online research
* Link to other characteristics in voices
* Phonetics background
* Linking theory with empirical insights

Research environment:

* Carolyn MC gettigan and Nadine Lavan world leading research on person perception from voices
* Interdisziplicary network
* Speech scientics, computr linguists

https://neuro-team-femto.github.io/articles/2021/Guerouaou\_Philosophical\_Transactions\_2021.pdf