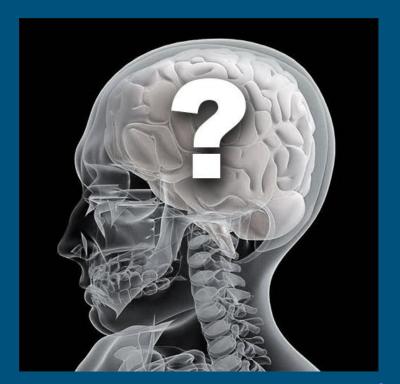
Why Not Connectomics?

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Opportunity

- Brain is a huge unknown
- Source of many incurable diseases
- Neurological disorders rising
- Learning more about brain may determine the cause of these diseases



10 Challenges: A Summary

- 1. Structure does not equate to function
 - a. Primary question of connectomics
 - b. Connectomics complements physiology
- 2. Brain is not a perfect map
 - a. Not the point of connectomics
- Connectomics is pointless/not worth it
 - a. There is value, progress is growing exponentially



Actions

- Graph Theory
 - Pattern recognizing in large graphs
- Faster data collection
 - More cheaper experiments

- Computer Vision
 - Brain image segmentation



Resolutions

Pursue connectomics!

- 1. Must map whole brain to get every synapse
- 2. Cannot "black box" the brain
- 3. We will learn a lot from mapping the brain



Feedback

- Good argument by contradiction
- Accessible introduction
- Easy read (6 pgs)
- Could be more technical
- Excited to learn in detail about the actions the paper outlines



Thank You!