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Slide 1: Introduction to Connectomic Heritability

Definition of connectomics: study of the brain's neural connections, known as the connectome

Importance of the connectome in understanding brain function and disorders

Definition of heritability: proportion of variation in a trait that can be attributed to genetic factors

Introduce the concept of connectomic heritability: investigating the extent to which genetic factors influence the organization of the connectome

Slide 2: Key Findings and Implications

Studies showing that genetic factors play a significant role in shaping the connectome

Twin studies

Genome-wide association studies (GWAS)

Connectomic heritability and its relationship with cognitive traits and mental disorders

Autism spectrum disorder

Schizophrenia

Alzheimer's disease

Future research directions and potential applications

Personalized medicine

Early diagnosis and intervention

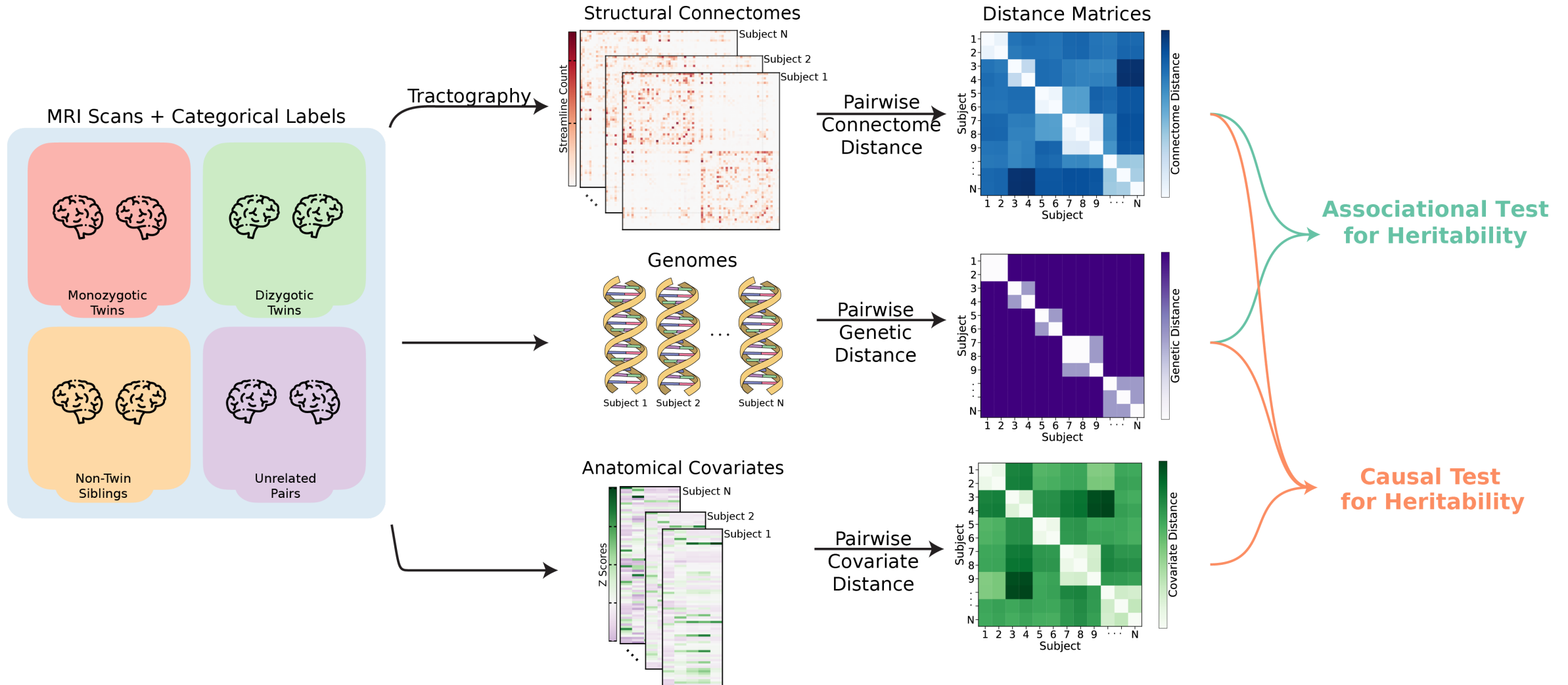
Improved understanding of brain function and development

Acknowledgements

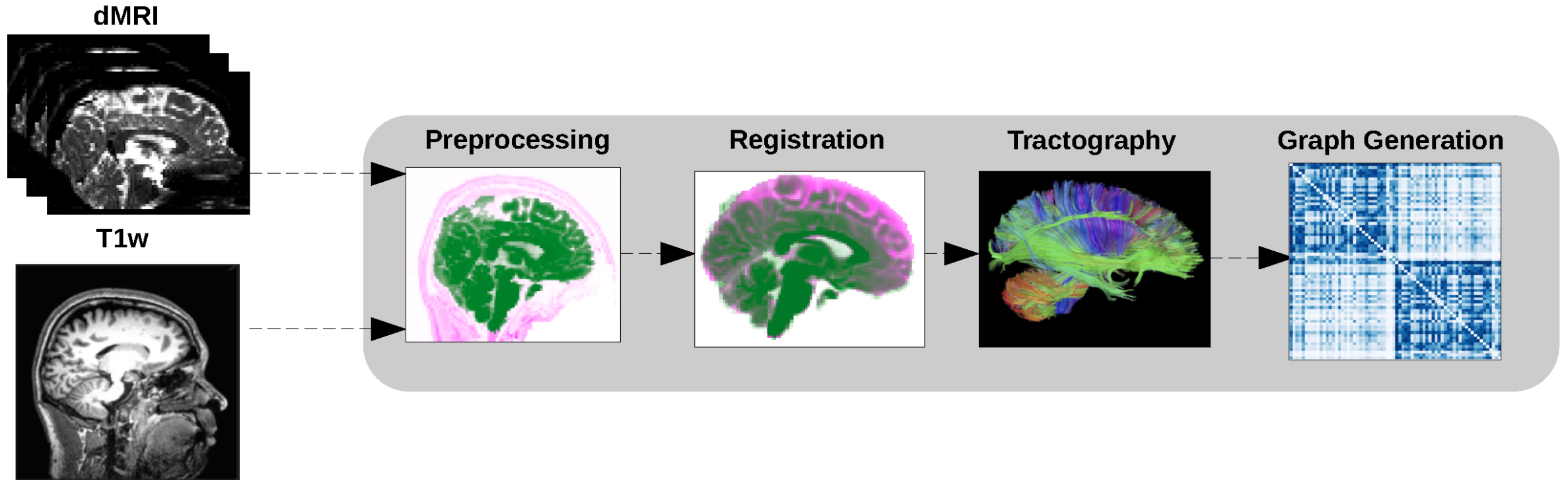
Questions?

Additional Slides

Analysis Overview



MRI to Connectomes



Causal Directed Acyclic Graph

