In the Absence of Ground Truth

- DW-MRI Algorithms
  - Connectivity Information
  - Connectivity & Structural Information
  - Structural Information

What does the algorithm produce?
- Connectivity & Structural Information
- Clinically Validated

What claims can be made about the results?
- Optimal with respect to some cost function
- Optimal & Clinically Validated
- Clinically Validated

Bundle Optimality
- Volumetric Segmentation
- Fiber Clustering
- Volumetric Segmentation & Fiber Clustering

How is the fiber bundle found?

Tract Optimality
- Locally Optimal
- Globally Optimal

What type of optimality?
- Tensors (Riemannian), Q-Balls, 2-Tensors, Finsler, ...

What is the underlying metric?

Edge Based
- Hybrid Edge-Region Based

Region Based
- What is the segmentation criterion?