



Western
Science

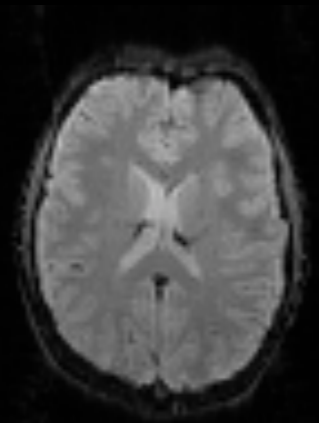
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Computational Motor Neuroscience

Department of Computer Science

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Brain and Mind Institute

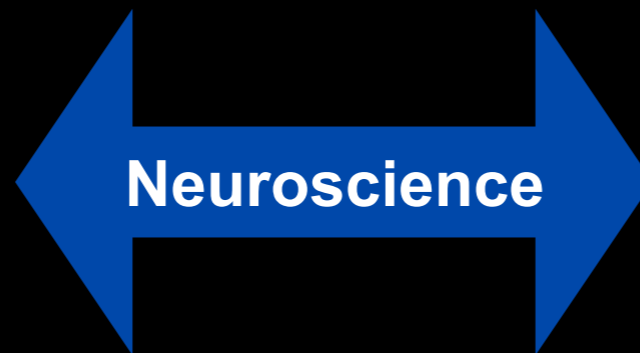
Computational Neuroscience



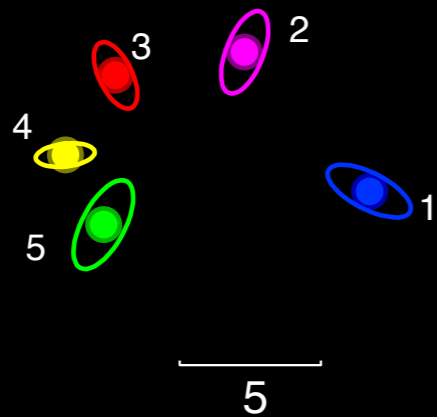
Brain data



Behaviour



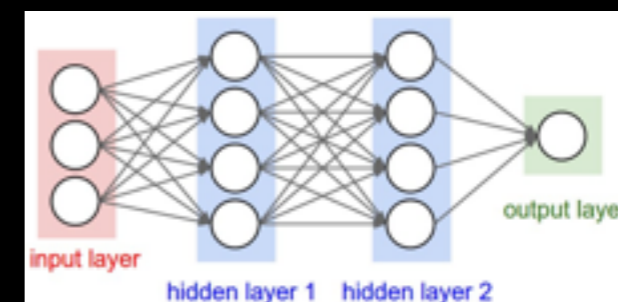
Representational pattern analysis



Representations
Dynamics



Representations and algorithms
Optimal control theory
Artificial neural networks & Deep learning



Computation

- SS9833B / CS9869B: Analysis of Brain Imaging data
 - Time series analysis
 - Multivariate analysis
 - Representational models
 - Regularized regression approaches
 - Data-driven approaches