

TIMELINE

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Application reference: 2024.03458.BD

Year 1

Year 2

Year 3

Year 4

Aim 1

Unveiling the robustness of continuous attractors in recurrent neural networks

Assessing robustness of ring attractors

Publish benchmark

Aim 2

Reverse engineering and coarse-graining neural computation on different timescales

Training RNNs on working memory tasks

Analysing hand designed and trained RNNs

Aim 3

Fitting dynamical systems to neural recordings

Identifying mechanisms of working memory neural computation

Comparison of RNNs and fitted neural dynamics

Thesis writing