

a.

Within-brain

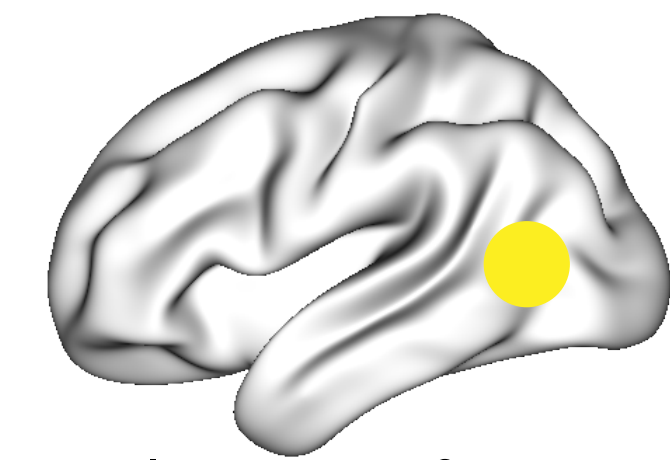
Across-brain

Order

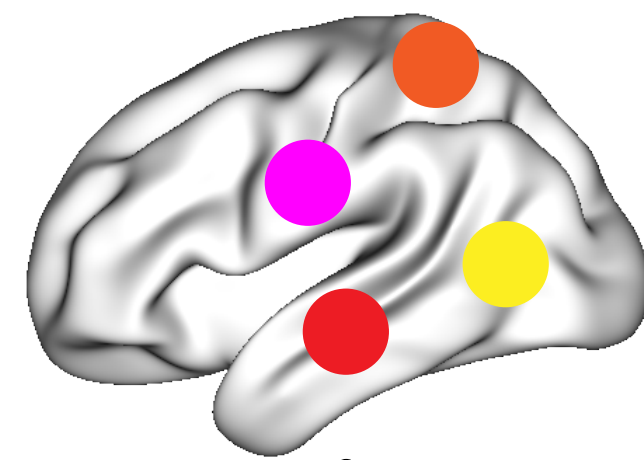
Activity
(order 0)

Univariate

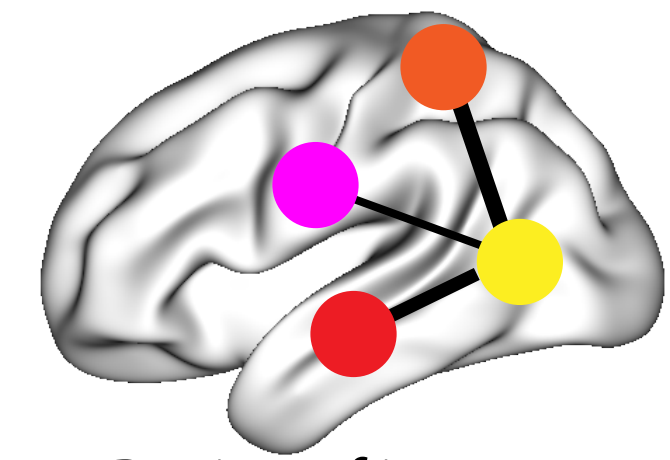
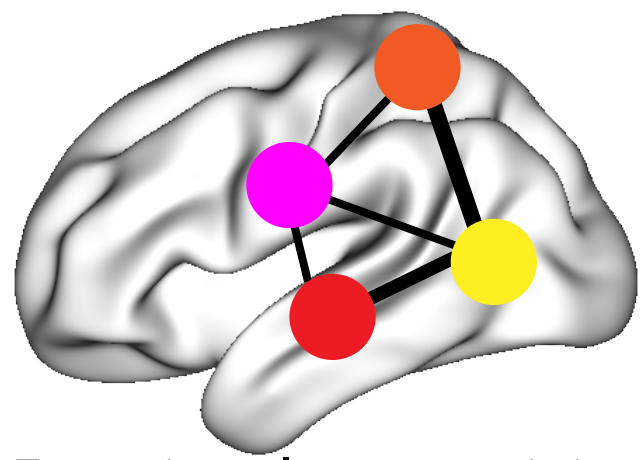
Multivariate



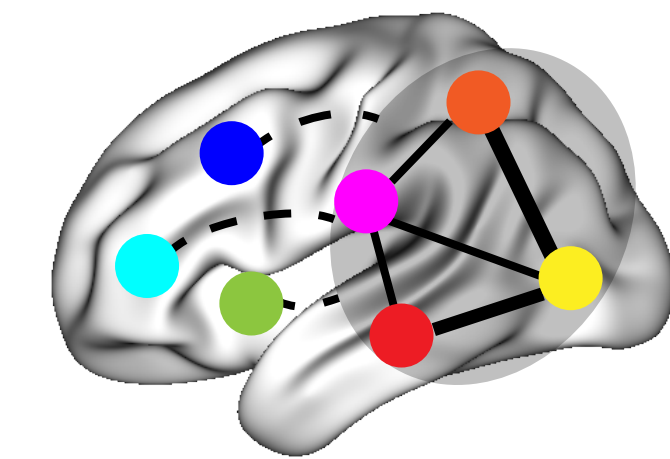
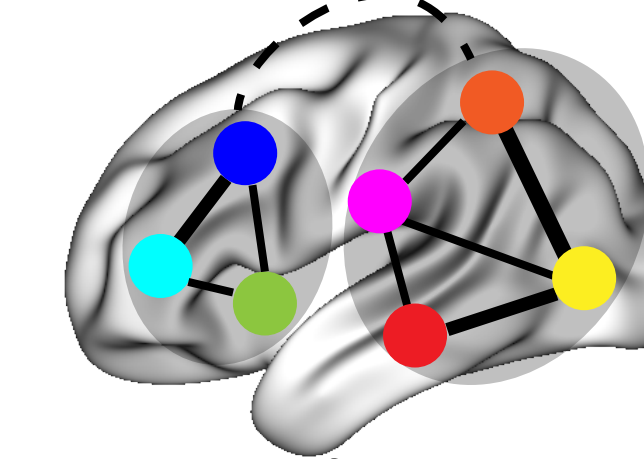
Single region of interest



Pattern of regions

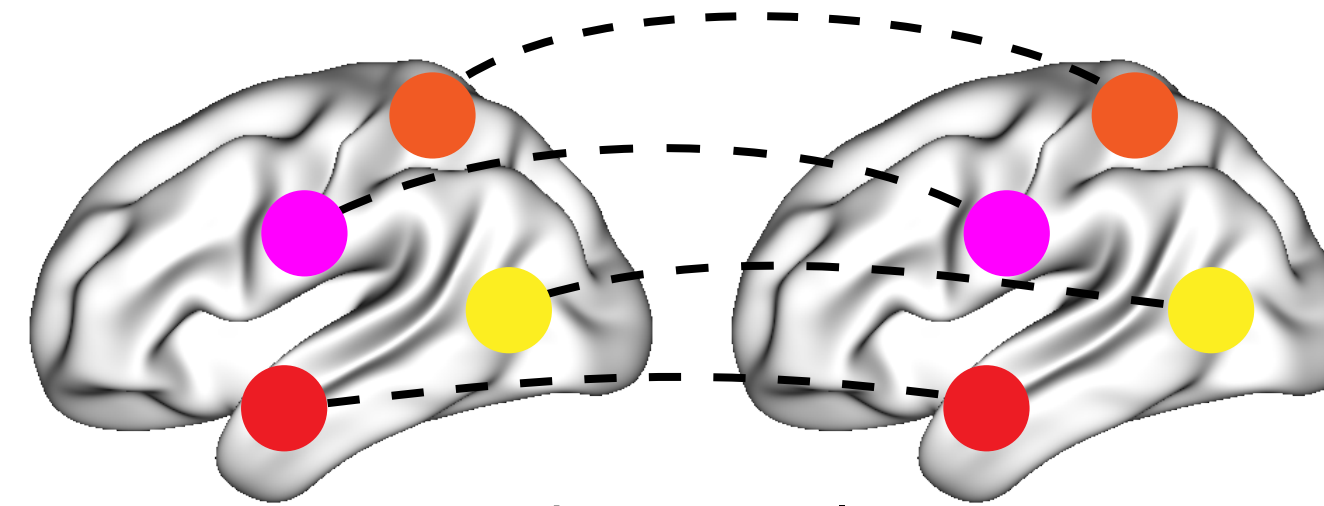
Networks
(order 1)Region of interest
seed-based connectivity

Functional connectivity

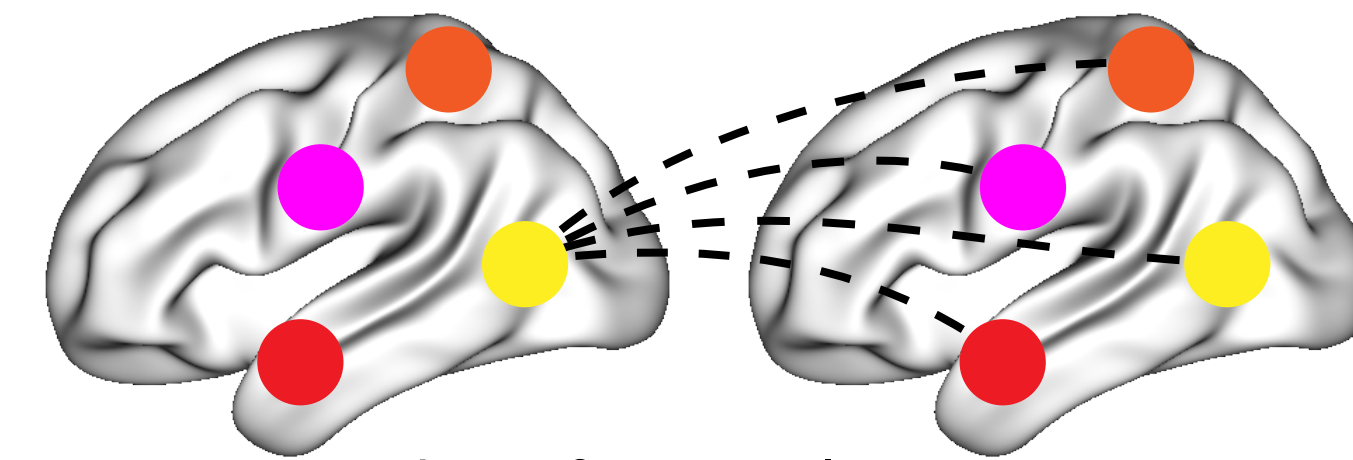
Network homologies
(order 2+)Network seed-based
connectivityPattern of network
homologies

Univariate

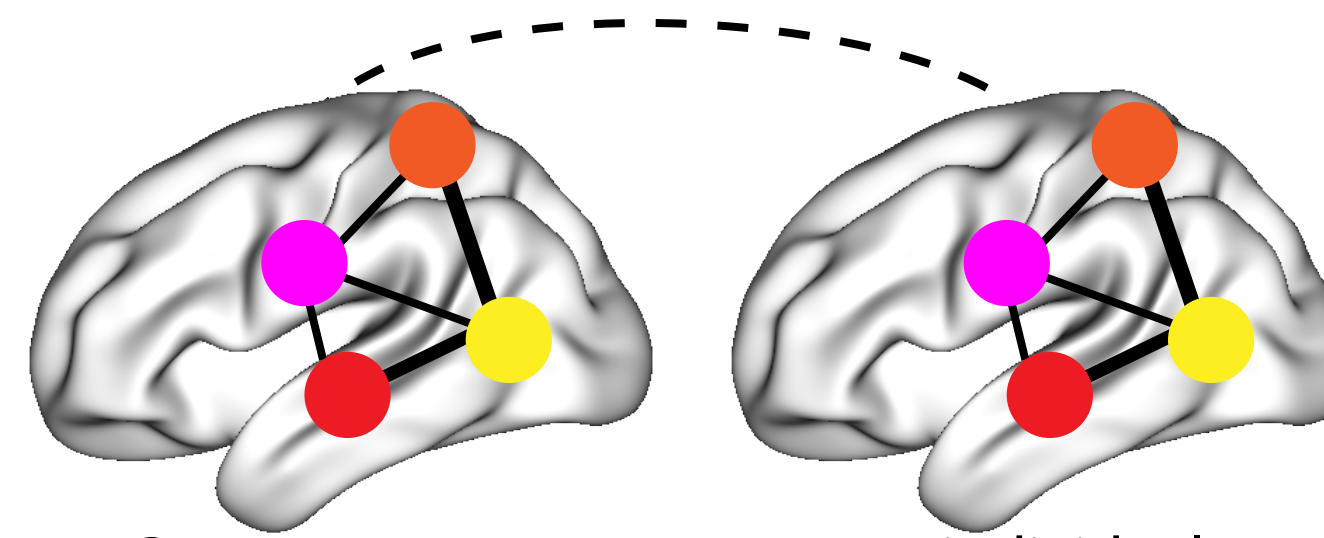
Multivariate



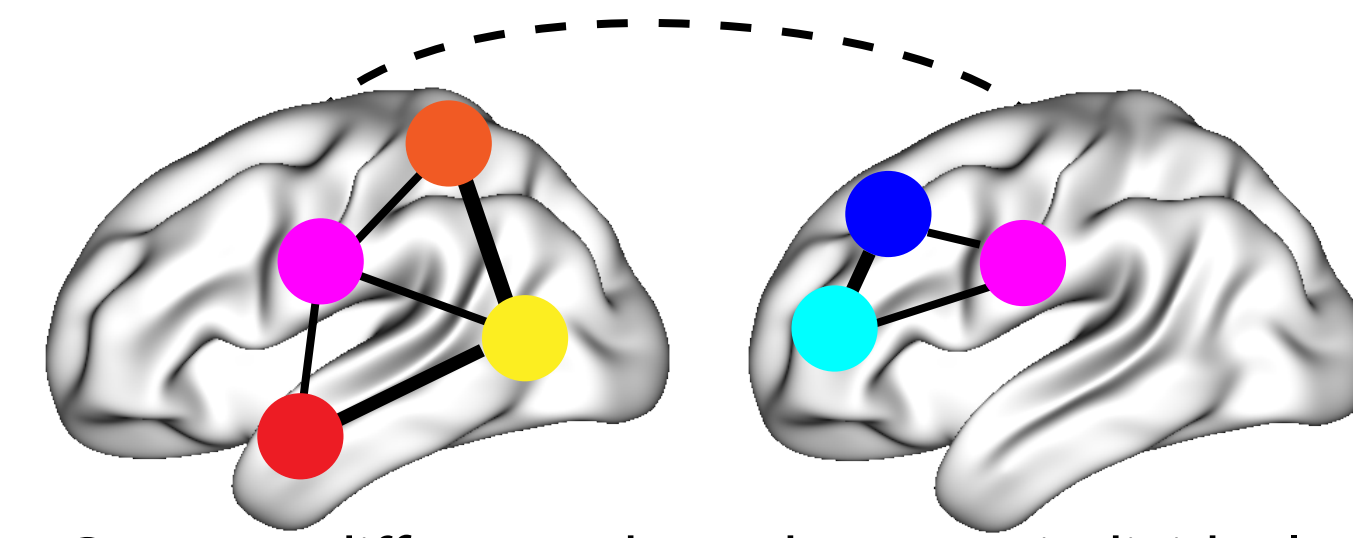
Inter-subject correlations



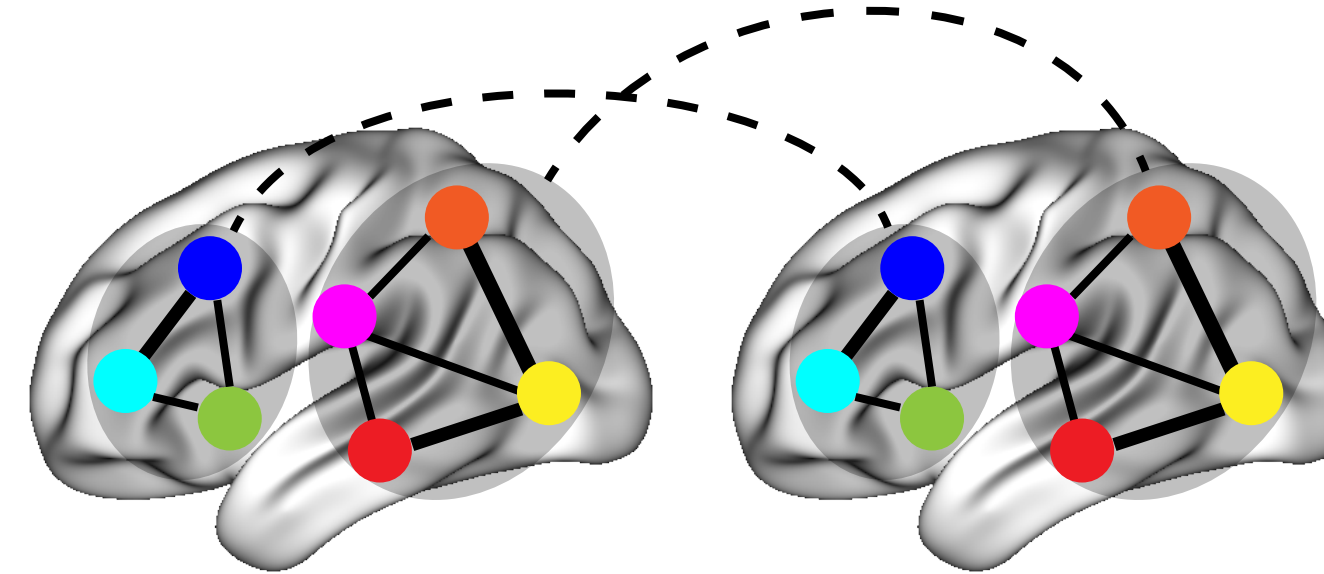
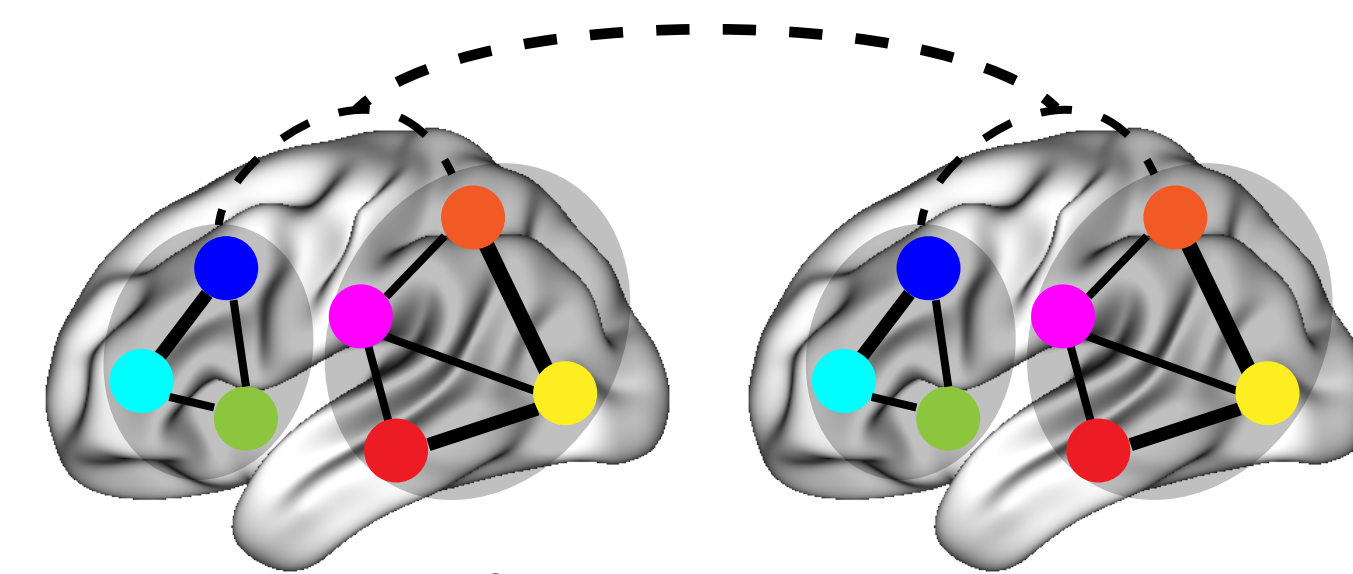
Inter-subject functional connectivity



Compare connectomes across individuals



Compare different subgraphs across individuals

Compare same subgraph homologies
across individualsCompare different subgraph homologies
across individuals

b.

Dimensionality reduction

Graph measures

