

a.

## Within-brain

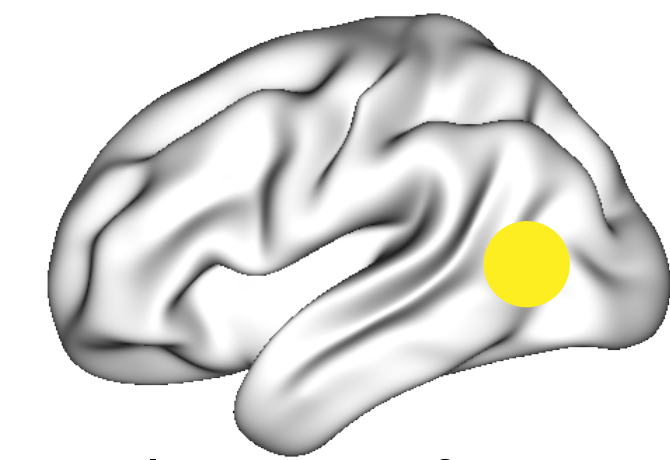
## Across-brain

Order

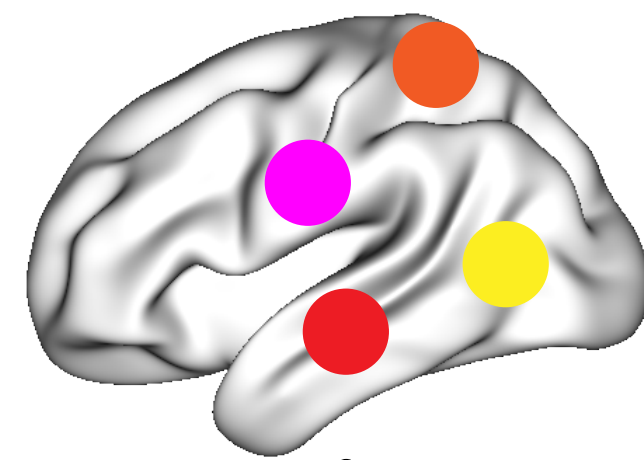
Activity  
(order 0)

Univariate

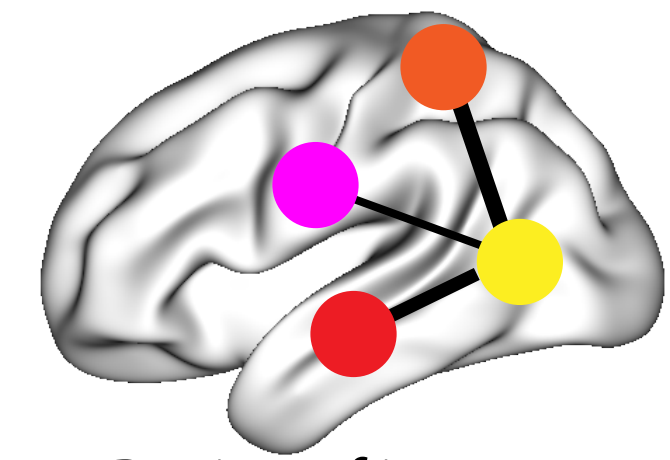
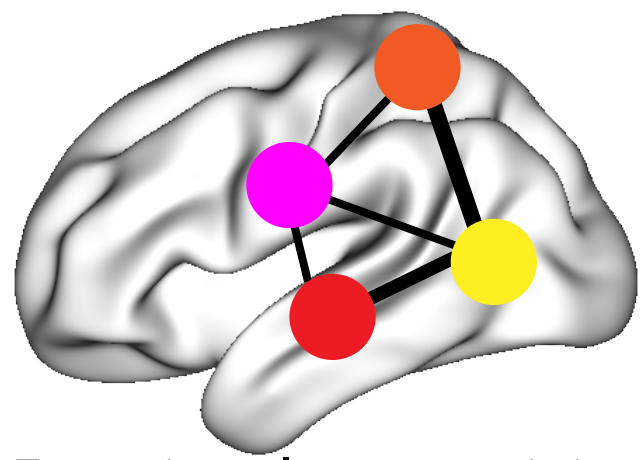
Multivariate



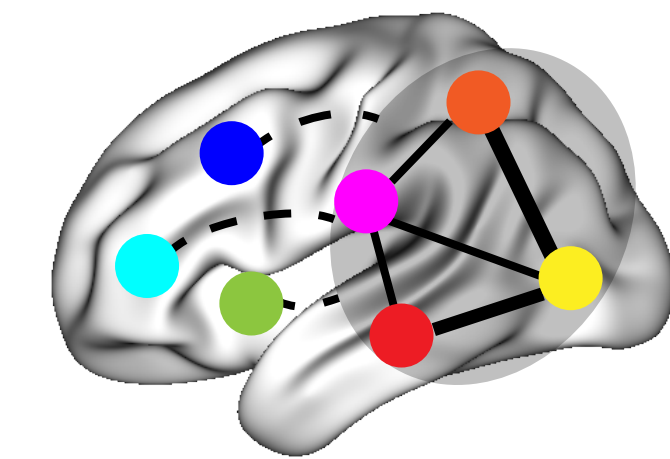
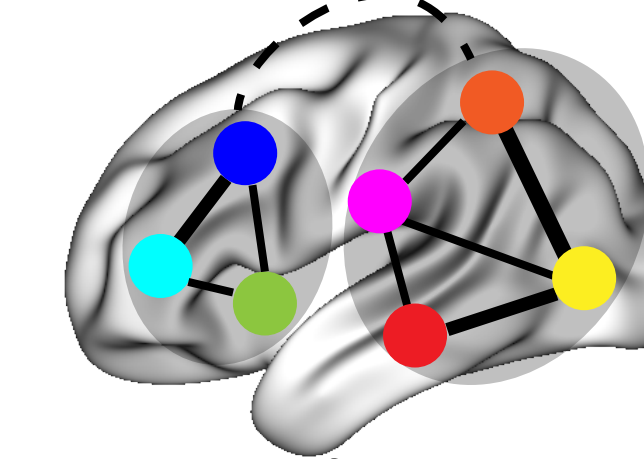
Single region of interest



Pattern of regions

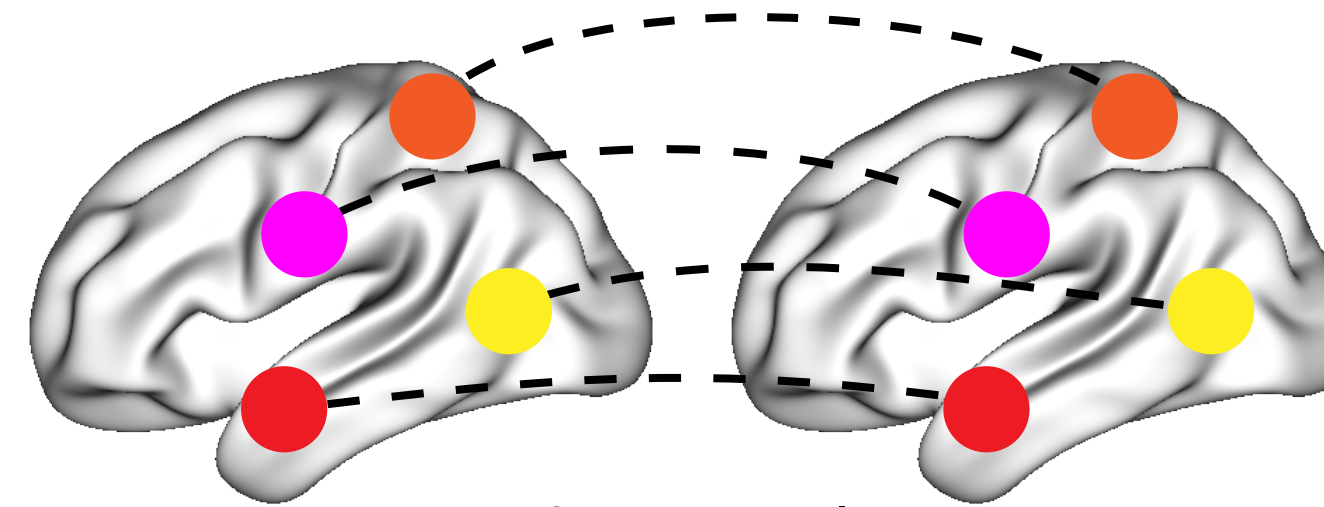
Networks  
(order 1)Region of interest  
seed-based connectivity

Functional connectivity

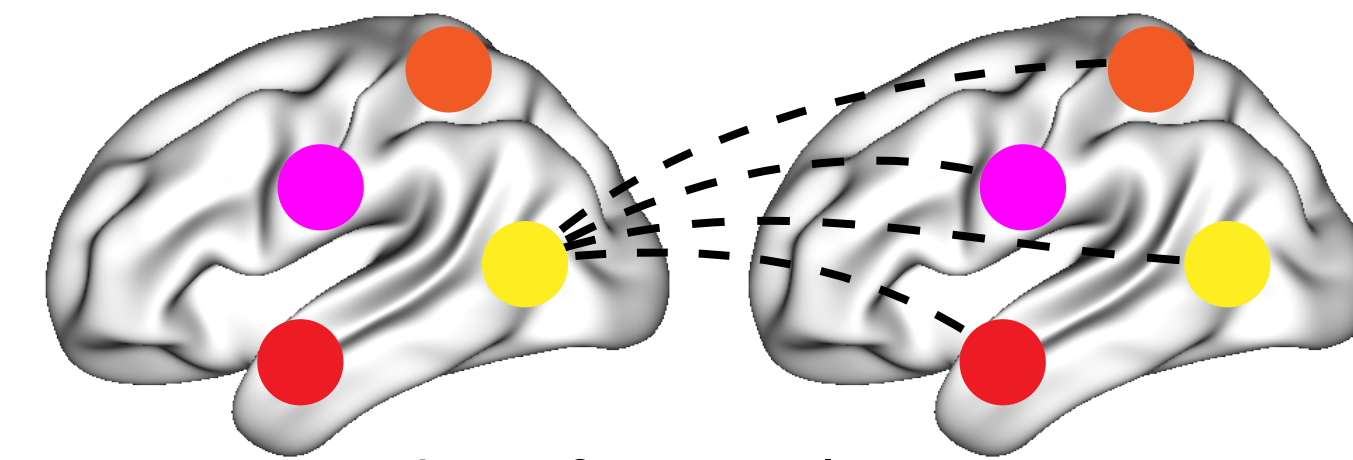
Network homologies  
(order 2+)Network seed-based  
connectivityPattern of network  
homologies

Univariate

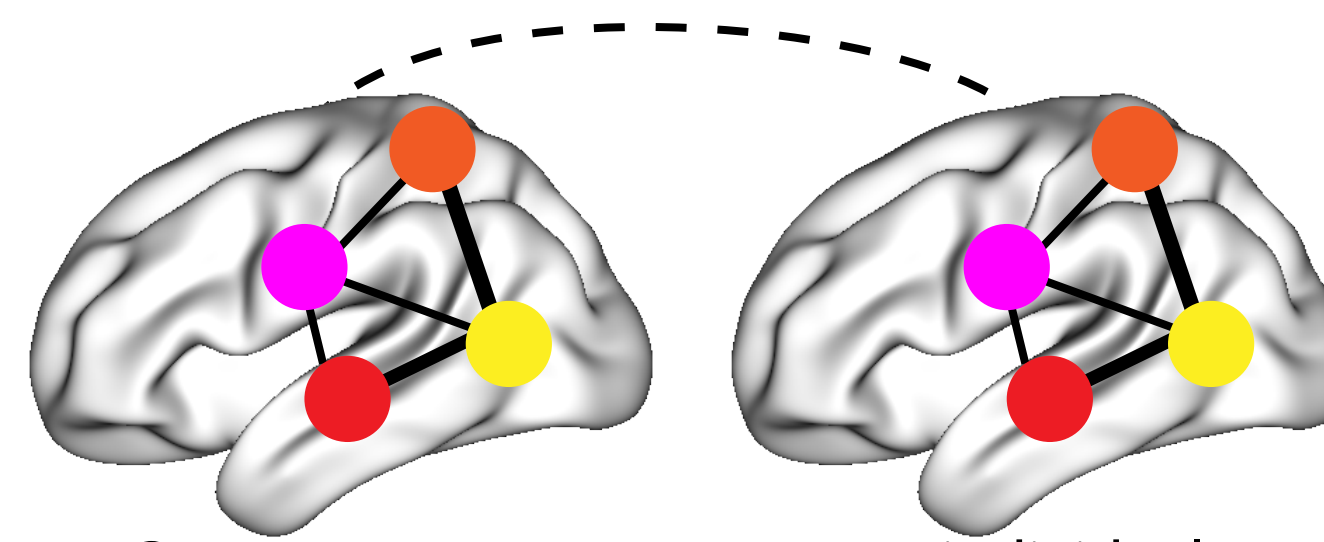
Multivariate



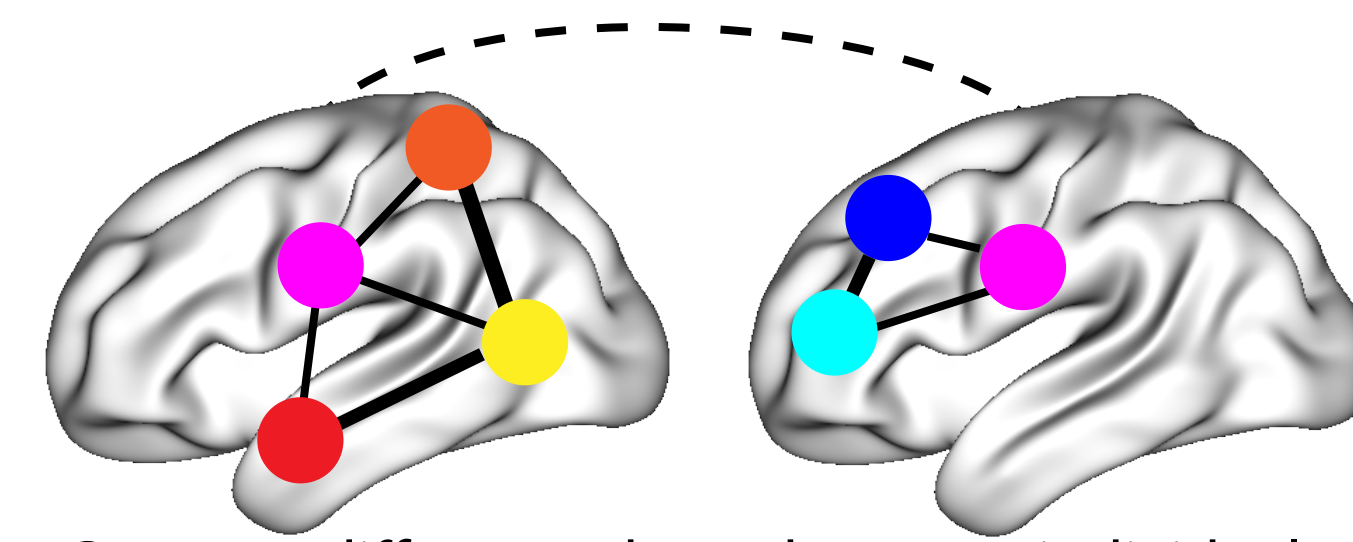
Inter-subject correlations



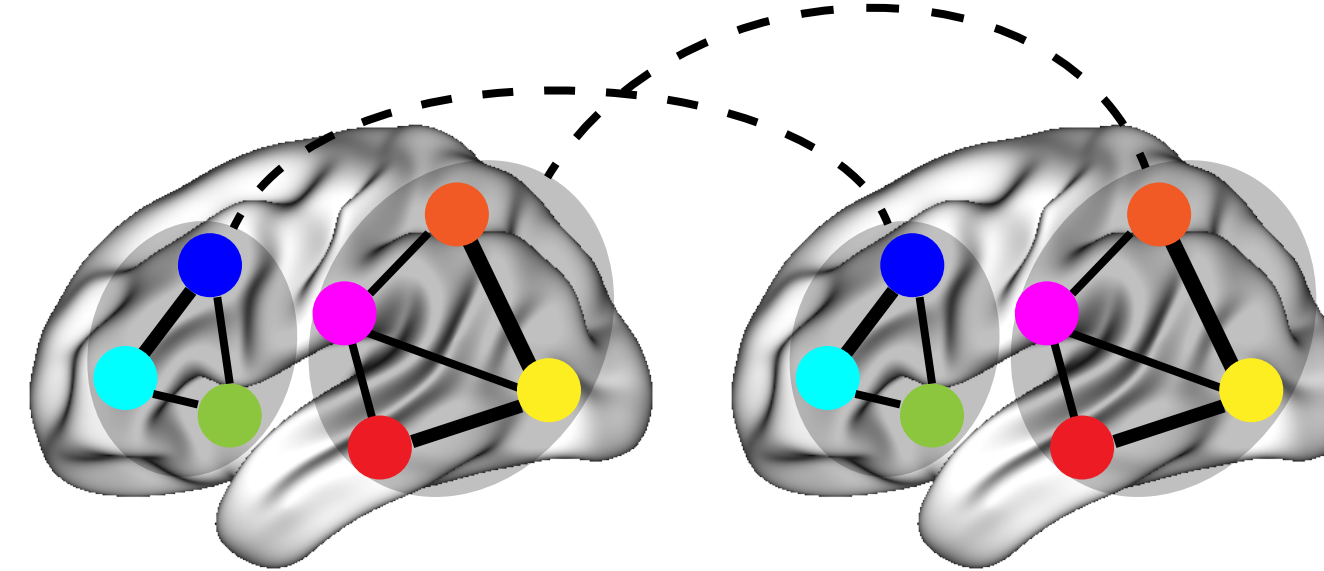
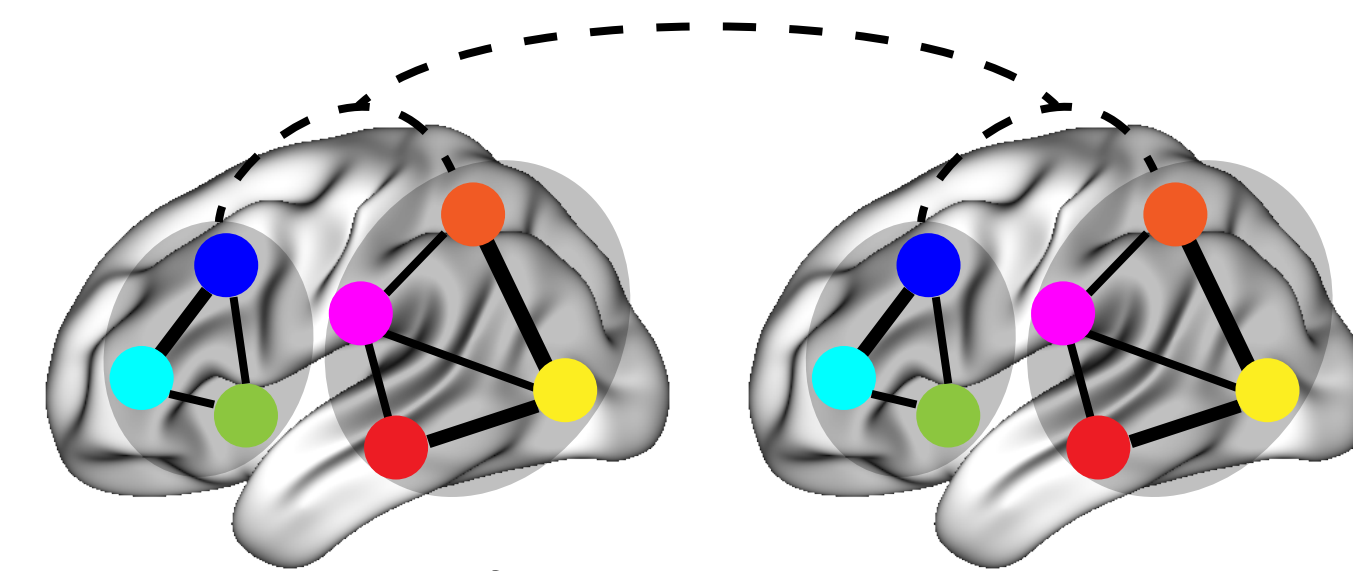
Inter-subject functional connectivity



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

