



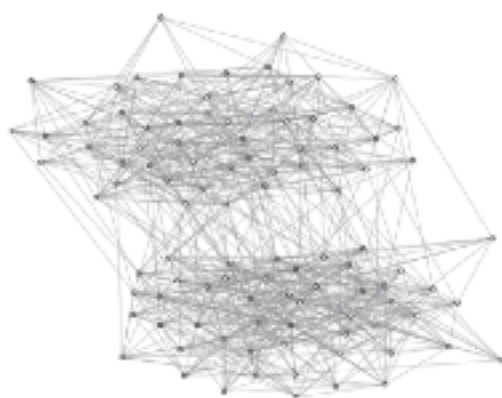
[1] Phys.Rev.Lett.113,0888701(2014)

[2] Netw. Neurosci. 3, 551-566 (2019)

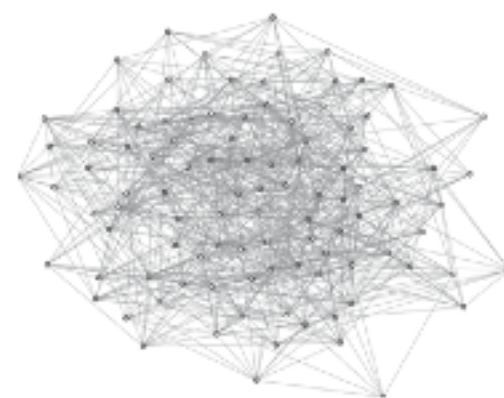
The importance of modular architecture



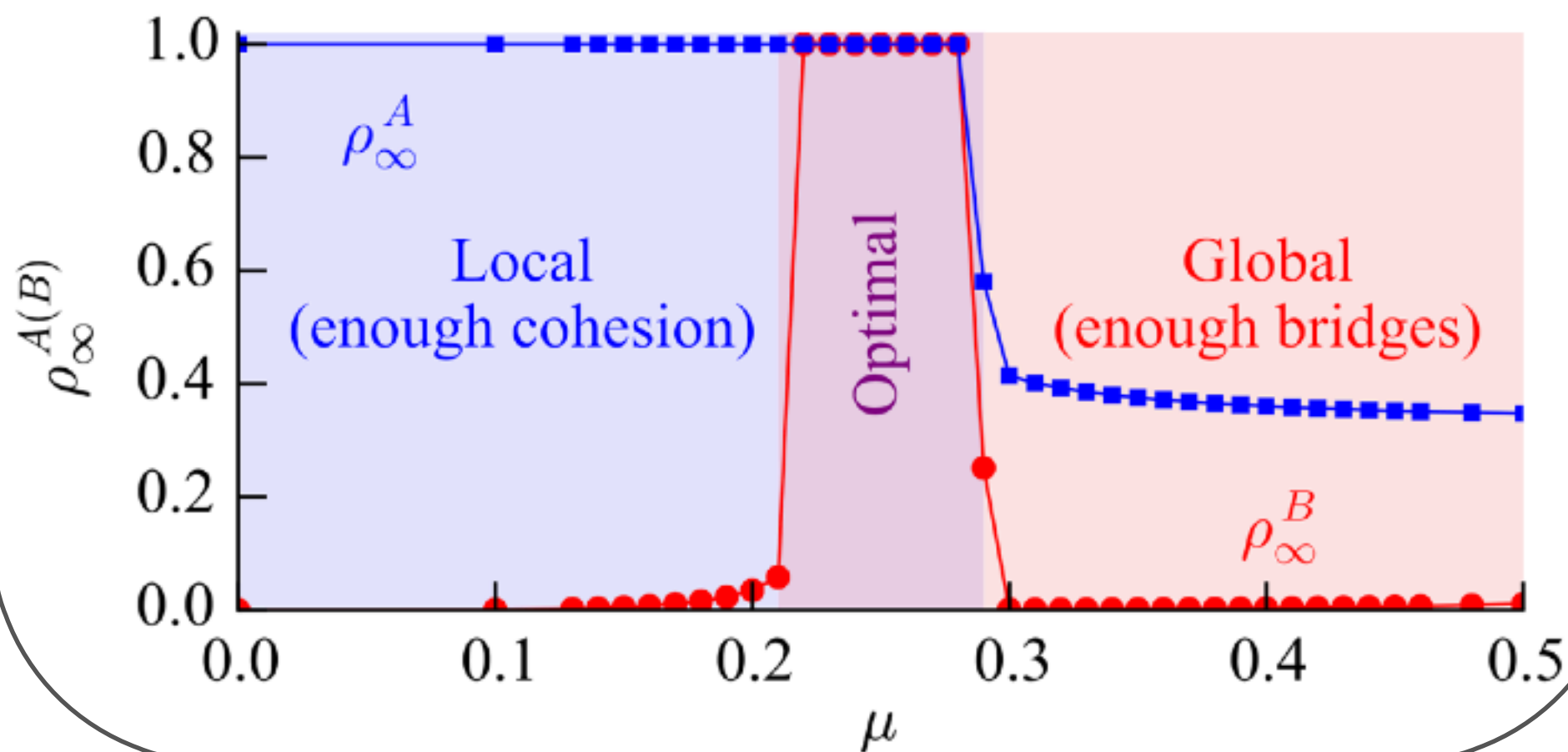
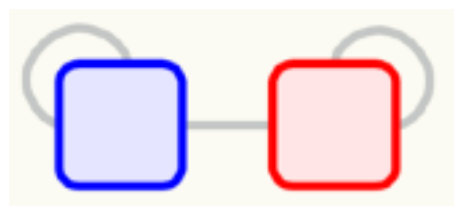
$\mu=0.03$

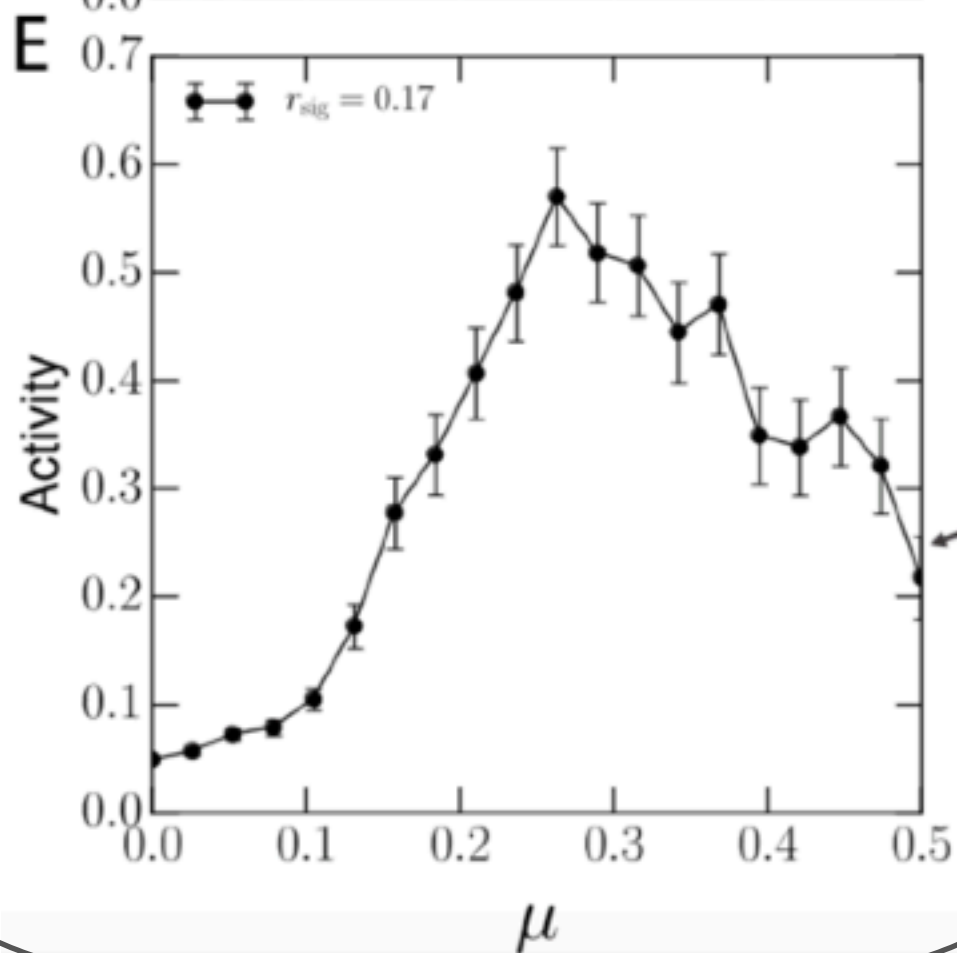
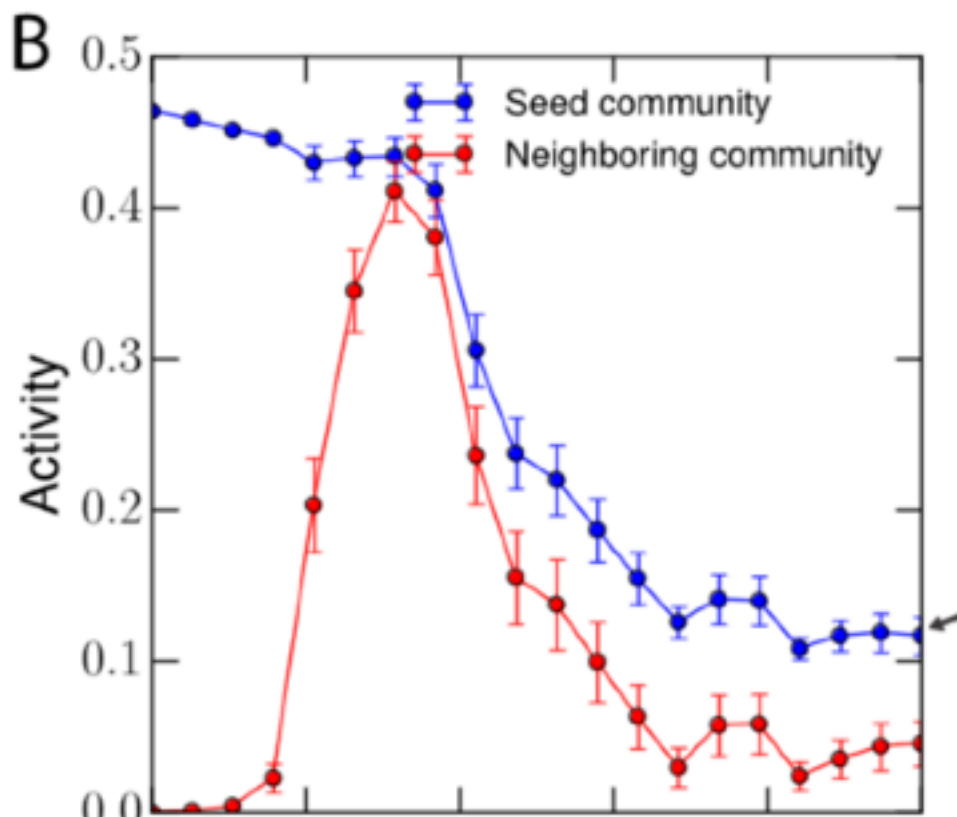


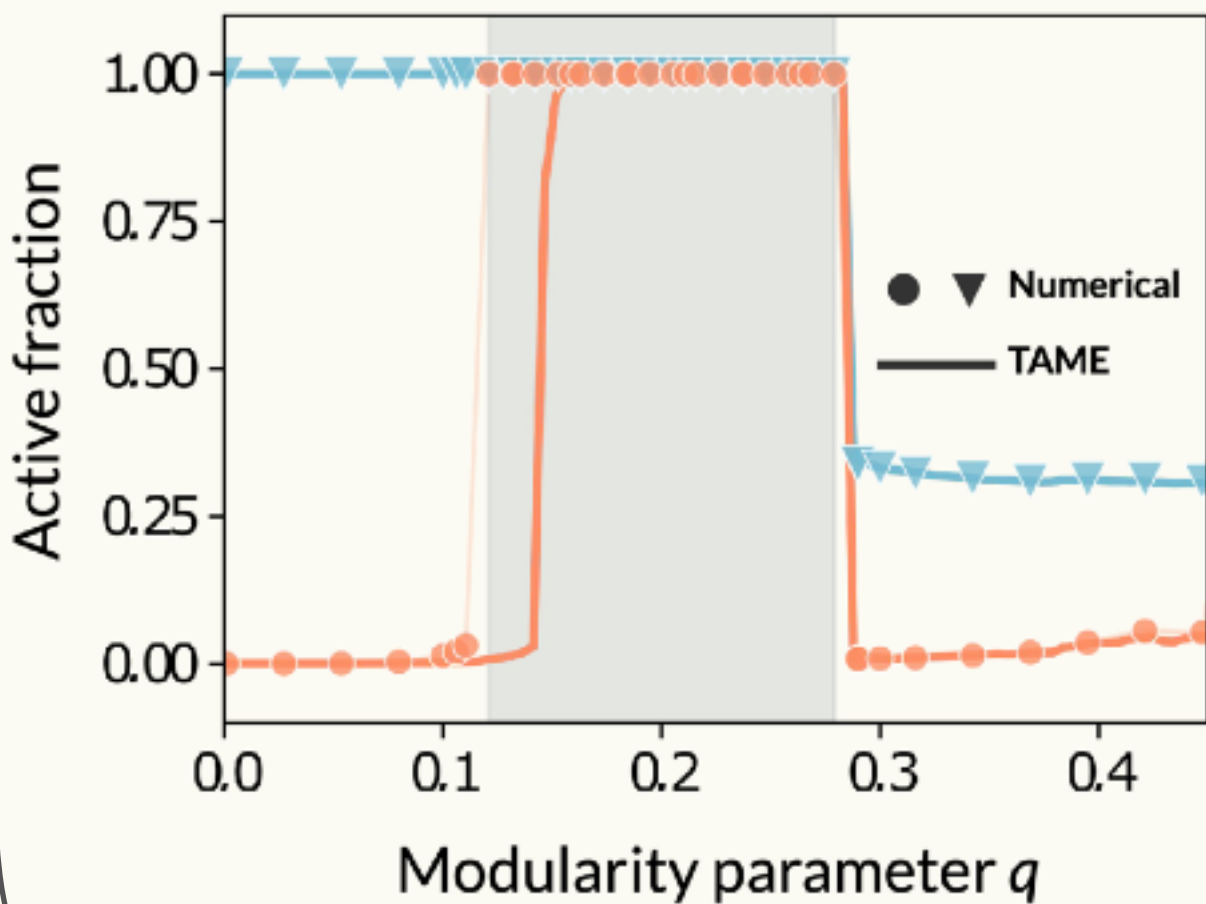
$\mu=0.12$



$\mu=0.3$







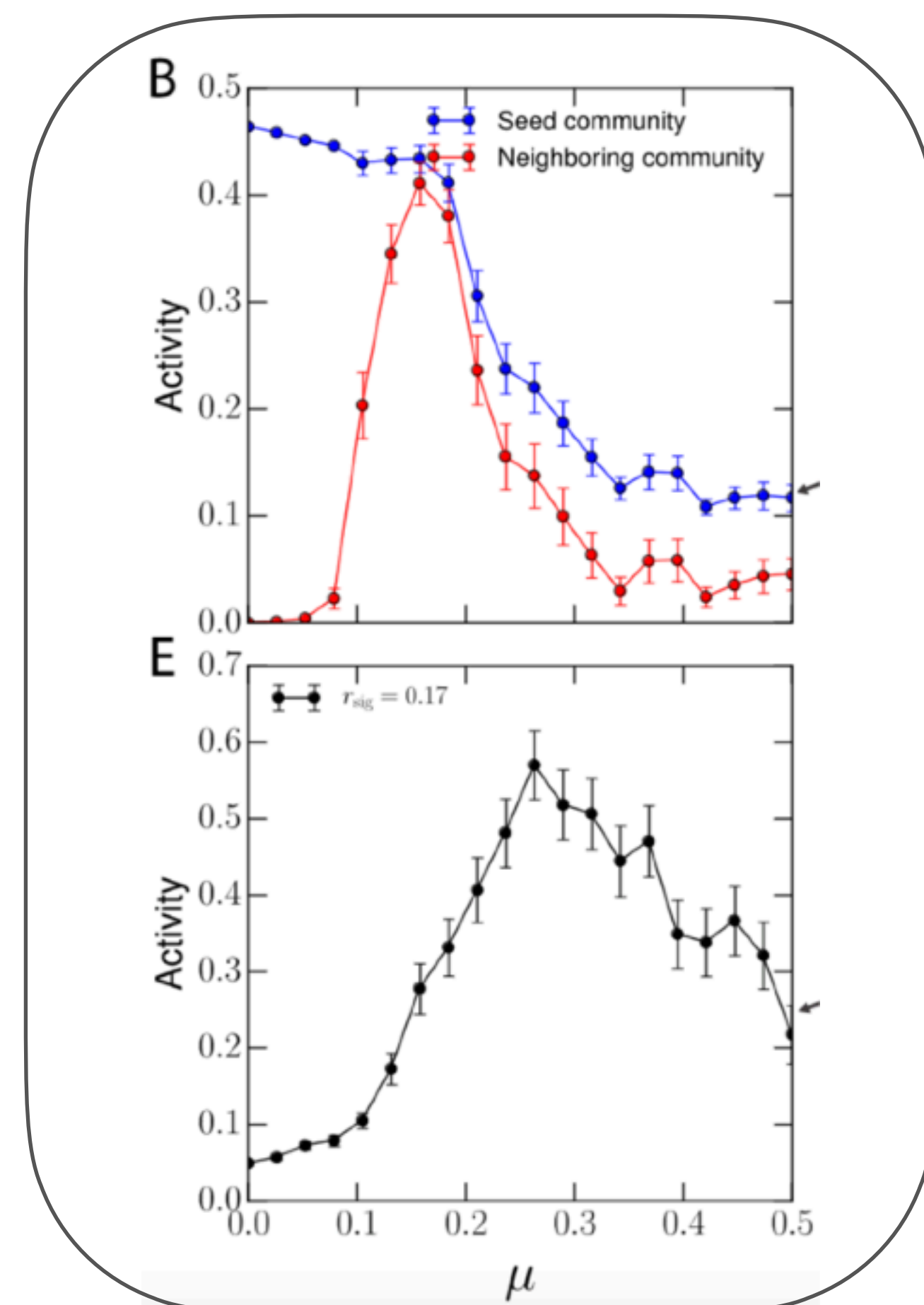
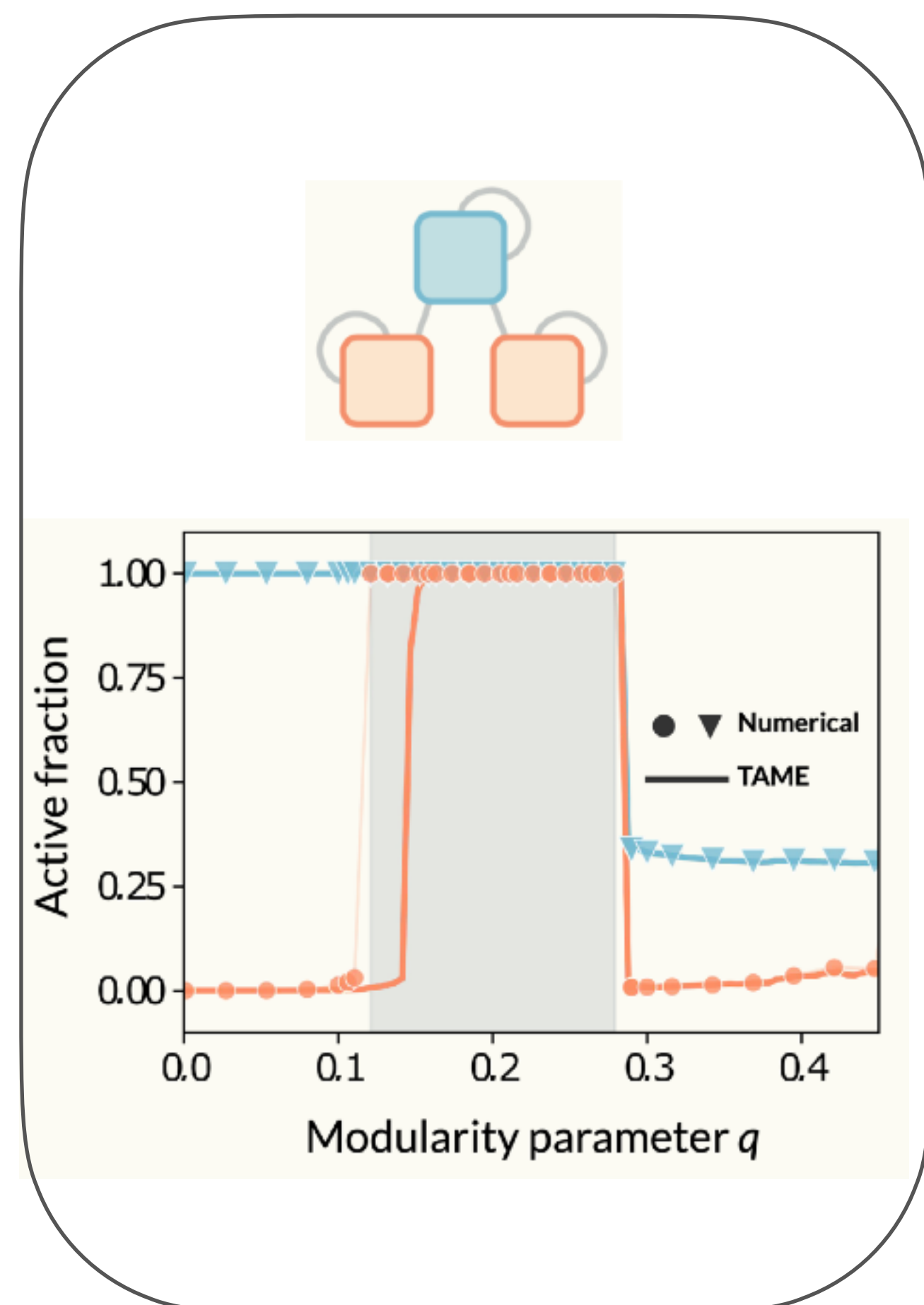
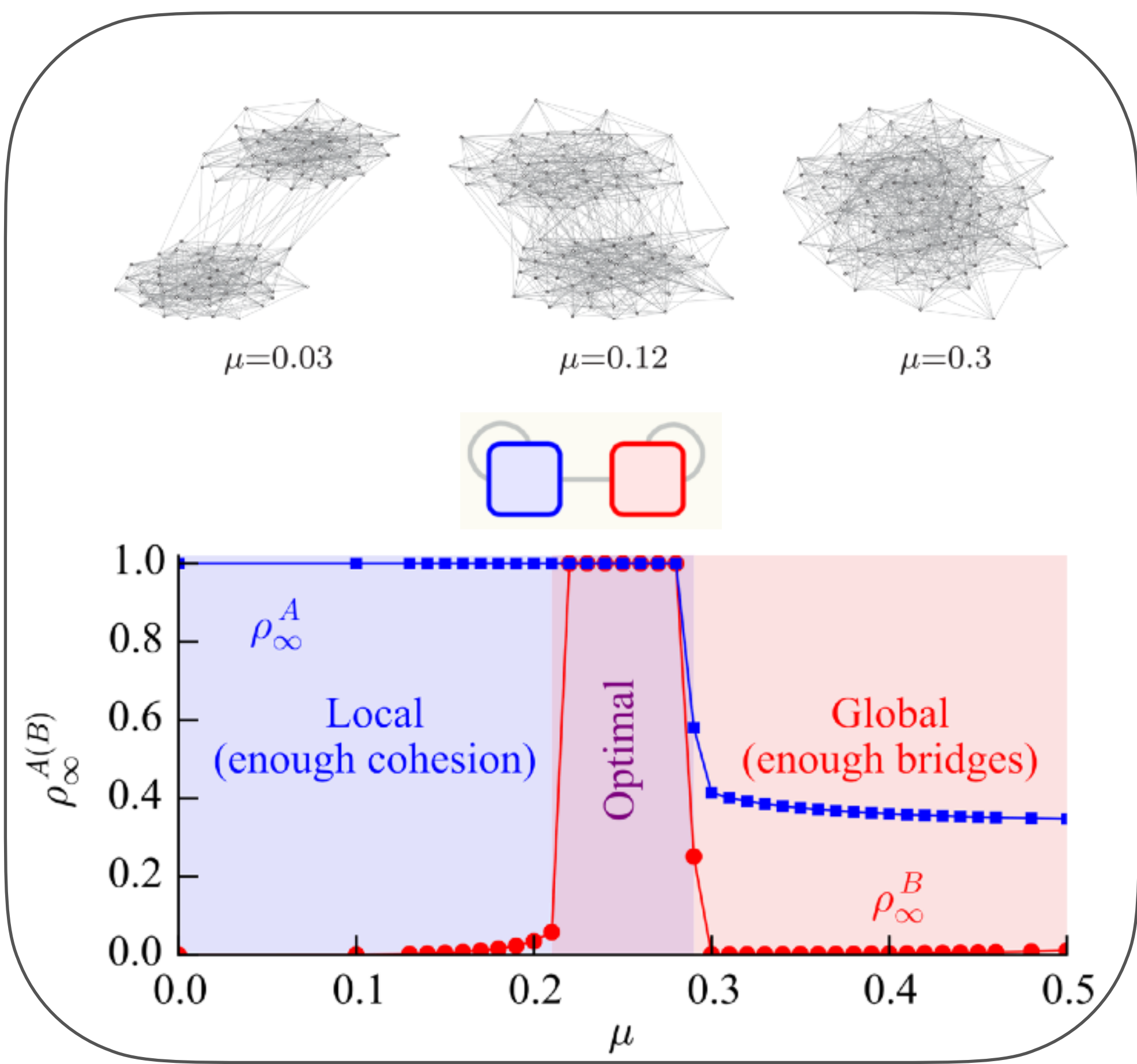
The modular architecture has a major influence of several dynamical processes.

- ▷ information diffusion [1]
- ▷ neural dynamics and memory performance [2]
- ▷ ...

The importance of modular architecture

The modular architecture has a major influence of several dynamical processes.

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- ▷ neural dynamics and memory performance [2]
- ▷ ...



A hyperbolic solution to modular architecture?

The $\mathbb{S}^1/\mathbb{H}^2$ models are easily generalizable to arbitrary dimensions.
This *extra space* allows for a rich modular architecture.

