

Psychology in modules, II: Neurophysiological Basis of Behaviours

Ł Okruszek

1-2. From trepanation to epigenetics – brief history of neuroscience methods

Readings:

- Ward J. *The Student's Guide to Cognitive Neuroscience* (chapters 1, 3-5)
- Poldrack R. *The New Mind Readers*, 2018
- Poldrack R. *The Costs of Reproducibility*, Neuron, 2019

3-4. What's so special about social brain?

Readings:

- Lieberman M. *Social: Why Our Brains Are Wired to Connect*, 2013
- Cacioppo J. *Loneliness: Human Nature and the Need for Social Connection*, 2009
- Christakis N., Fowler J. *Connected*, 2011

5. Towards second person neuroscience

Readings:

- Harii et al. *Centrality of Social Interaction in Human Brain Function*, Neuron, 2015
- Hasson U, Frith C., *Mirroring and beyond: coupled dynamics as a generalized framework for modeling social interactions* Phil. Trans. R. Soc. B, 2016
- Tamir, D., Thornton, M. *Modeling the Predictive Social Mind* Trends in Cognitive Sciences, 2017

Assessment methods:

The exam will be based on 10 single-choice test questions based on the material covered during the classes. s