

Theoretical physics and mathematics of the brain: Bridges across disciplines and applications

4 December 2019 – Moscow State University

5 December 2019 – Skoltech, Moscow

Topics:

- Geometric and dynamic properties of brain networks
- Brains as a critical system
- Information and entropic aspects of brain functioning
- Topological data analysis
- Connectome as a statistical system

Speakers:

- Konstantin Anokhin (MSU, Moscow)
- Anton Ayzenberg (HSE, Moscow)
- Alexander Bernstein (Skoltech, Moscow)
- Roman Borisyuk (Univ. of Exeter, UK)
- Vsevolod Chernyshev (HSE, Moscow)
- Alexander Gorsky (IITP, Moscow)
- Vladimir Itskov (PSU, USA)
- Yakov Kazanovich (IMPB, Pushino)
- Victor Kazantsev (Lobachevskii Univ., Nizhny Novgorod)
- Alexey Koulakov (CSHL, USA)
- Vladimir Nekorkin (IAP, Nizhny Novgorod)
- Alexey Ossadtchi (HSE, Moscow)
- Elena Popova (Skoltech, Moscow)
- Nikita Pospelov (MSU, Moscow)
- Vadim Ushakov (Kurchatov Inst, Moscow)

Organizers:

- Konstantin Anokhin (MSU, Moscow)
- Alexander Gorsky (IITP, Moscow)
- Yurii Kotelevtsev (Skoltech, Moscow)
- Sergei Nechaev (Center Poncelet, France)



Information: www.poncelet.ru