

SCIENTIFIC PROGRAM

September, 5th

9:00 Registration desk open

9:45 – 10:00 Opening Ceremony

Seminar 1. Early physiological patterns

10:00 – 10:30

Roustem Khazipov (Inmed-KFU)

Physiology of the fetal brain

10:30 – 11:00

Marat Minlebaev (Inmed-KFU)

Development of sensory maps

11:00 – 11:30

Andrei Zakharov, Dina Aizatullina & Dina Gainetdinova (KFU-RCH)

Early patterns of activity during fetal developmental stages in human

Keynote lecture 1

11:30 – 12:30

Alfonso Represa (Inmed, France)

Miraculous journeys of neurons in developing brain

Lunch 12:30 – 13:30

Keynote lecture 2

13:30 – 14:30

Rashid Giniatullin (Kuopio University)

Neurobiology of Pain

Seminar 2. Pathophysiology of the developing brain

14:30 – 15:00

Ilgam Khalilov (Inmed-KFU)

Secondary epileptogenesis in the developing brain

15:00 – 15:30

Guzel Sitdikova (KFU)

Effects of volatile anaesthetics in the developing cortex

Keynote lecture 3

15:30 – 16:00

Ellya Bukharaeva (KIBB KazSC RAS)

Physiology of the developing neuromuscular synapse

16:00 – 17:00 **Posters & coffee break**

17:00 – 18:00 **Inauguration of the Laboratory of Neurobiology**

September, 6th

Keynote lecture 4

9:00 – 10:00

Andrei Zefirov (KSMU)

Physiology of the active zones

Seminar 3. Cellular and Synaptic mechanisms

10:00 – 10:30

Guzel Valeeva (KFU)

Depolarizing actions of GABA during development

10:30- 10:50

Marat Mukhtarov (KFU)

Ontogeny of the hippocampal giant depolarizing potentials

10:50 - 11:10

Alexey Yakovlev (KFU)

Cell-attached measurements of membrane potential of the immature thalamic neurons

11:10-11:30

Fliza Valiullina (KFU)

Electrical and synaptic coupling between L4 neurons in the developing barrel cortex

Keynote lecture 5

11:30 – 12:30

Pavel Balaban (IHNA&NPh RAS, Moscow)

Synaptic plasticity as a mechanism for memory

Lunch 12:30 – 13:30

Keynote lecture 6

13:30 – 14:30

Konstantin Anokhin (Kurchatov Institute, Moscow)

Light microscopy of the cognitive brain