

# Program

15<sup>th</sup> Student Workshop

"Biophysical Methods in Neuroscience and Physiology"

26-30 April 2021

On-line ZOOM Conference

## 1<sup>st</sup> day, Monday, April 26

19:00 – 19:15 - Nana Voitenko, Bogomoletz Institute of Physiology

*Opening remarks*

19:15 – 20:00 – Eugen Sheremet, Bogomoletz Institute of Physiology

*Advanced fluorescence microscopy for biomedical needs*

20:00 – 20:45 – Bizhan Sharopov, Bogomoletz Institute of Physiology

*Patch-clamp for neurons and muscle cells*

## 2<sup>d</sup> day, Tuesday, April 27

19:00 – 19:45 – Pavel Belan, Bogomoletz Institute of Physiology

*New approaches in cellular neuroscience*

19:45 – 20:30 – Tetiana Drevytska, Bogomoletz Institute of Physiology

*ELISE: principles and capabilities of enzyme immunoassay*

## 3<sup>d</sup> day, Wednesday, April 28

19:00 – 19:45 – Nana Voitenko, Bogomoletz Institute of Physiology

*Synaptic transmission*

19:45 – 20:30 – Alina Savotchenko, Bogomoletz Institute of Physiology

*Experimental models of epilepsy*

## 4<sup>th</sup> Day, Thursday, April 29

**19:00 – 19:45** – Oleg Tsupikov, Bogomoletz Institute of Physiology

*Modern approaches to stem cell imaging*

**19:45 – 20:30** – Oleksiy Boldyrev, Bogomoletz Institute of Physiology

*Evolution of SARS-CoV-2*

## 5<sup>th</sup> Day, Friday, April 30

**IN MEMORIAM: OLEKSIY MOIBENKO**

**19:00 – 19:30** – Vadim Sagach, Bogomoletz Institute of Physiology

*Chief pathophysiologist of our time*

**19:30 – 20:00** – Viktor Dosenko, Bogomoletz Institute of Physiology

*Recent achievements of Moibenko's department*

**20:00 – 20:30** – Oleksandr Parkhomenko, Strazhesko Institute of Cardiology

*Corvitin - from research to clinical implementation*

**20:30 – 21:00** – Sergiy Goncharov, Bogomoletz Institute of Physiology

*Destruction of proteins in hypertension*