



NEUROTWIN
HORIZON 2020 PROJECT



14-TH STUDENT WORKSHOP

BIOPHYSICAL METHODS IN NEUROSCIENCE AND PHYSIOLOGY

7-12 DECEMBER 2020

ONLINE ZOOM CONFERENCE



1-ST DAY, MONDAY, **DECEMBER 7-TH**

20:00 - 20:15



OPENING REMARKS

*Nana Voitenko, Bogomoletz
Institute of Physiology*



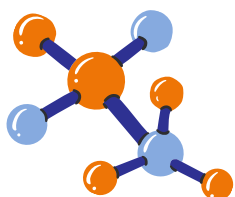
20:15 - 21:00

ELECTROPHYSIOLOGICAL METHODS OF RESEARCH

*Bizhan Sharopov, Bogomoletz
Institute of Physiology*



21:00 - 21:45



ADVANCED METHODS OF FLUORESCENCE MICROSCOPY

*Eugen Sheremet, Bogomoletz
Institute of Physiology*



2-ND DAY, TUESDAY, **DECEMBER 8-TH**

20:00 - 20:45

DETERMINATION OF GENE EXPRESSION BY REAL TIME PCR ANALYSIS

*Tetiana Drevytska, Bogomoletz
Institute of Physiology*



20:45 - 21:30



CARDIAC CATHETERIZATION TO STUDY PARAMETERS OF CARDIODYNAMICS

*Tetiana Lapikova-Bryhinska,
Bogomoletz Institute
of Physiology*



3-RD DAY, WEDNESDAY, **DECEMBER 9-TH**



20:00 - 20:45

UNIVERSAL, UBIQUITOUS FREE CALCIUM - METHODS OF MEASUREMENT

*Nana Voitenko, Bogomoletz
Institute of Physiology*



20:45 - 21:30

OPTOGENETICS

*Pavel Belan, Bogomoletz Institute
of Physiology*



4-TH DAY, THURSDAY, **DECEMBER 10-TH**

20:00 - 20:45

CRISPR-CAS9 - FROM MOLECULAR SCISSORS TO DNA STICK

*Oksana Piven, Institute of
Molecular Biology and Genetics*



20:45 - 21:30

GENE POLYMORPHISM: WHAT IS IT AND WHAT FOR?

*Sergii Goncharov, Bogomoletz
Institute of Physiology*



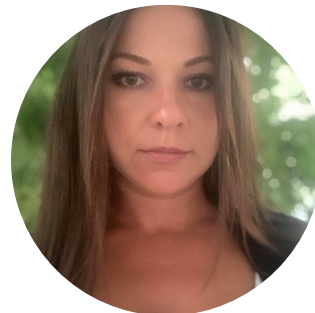
5-TH DAY, FRIDAY, DECEMBER 11-TH

20:00 - 20:45



EXPERIMENTAL MODELS OF EPILEPSY AND NEURAL PLASTICITY

*Alina Savotchenko, Bogomoletz
Institute of Physiology*



20:45 - 21:30



CONFOCAL IMMUNOHISTOCHEMISTRY: STUDYING THE PROPERTIES OF STEM CELLS OF DIFFERENT ORIGIN

*Oksana Rybachuk, Bogomoletz
Institute of Physiology*



6-TH DAY, SATURDAY, DECEMBER 12-TH

20:00 - 20:45



RNA EDITING FOR HOST AND ENEMIES

*Oleksiy Boldyrev, Bogomoletz
Institute of Physiology*



20:45 - 21:30



MOLECULAR MECHANISMS OF COVID-19 PATHOGENESIS.

*Victor Dosenko, Bogomoletz
Institute of Physiology*

