

School on Biophotonics

ITMO



faculty of
PHYSICS

RSF

Russian
Science
Foundation

program

GMT+3 **11 November, Monday**

9:00
9:30

Registration

9:30
10:00

School Opening Ceremony

online

Valery Tuchin

10:00
11:00

Optical clearing as a tool for improvement of tissue diagnostic/therapeutic windows

11:00
11:40

Tatiana Pallaeva

Encapsulation technology for hydrophobic drug delivery

11:40
12:00

Coffee break

12:00
12:40

Kirill Zaytsev

Terahertz biophotonics

online

Pavel Ginzburg

12:40
13:20

Optically-responsive theranostic vaterite

13:20
14:30

Lunch

14:30
15:10

Yulia Svenskaya

Intra- and transdermal drug delivery via hair follicles

15:10
15:50

Andrei S. Nikolaev

Intellectual property in the field of biotechnology: how to find, save and use

16:00
18:00

Lab tour

GMT+3

12 November, Tuesday

10:00
11:00

online

Meng Su

Nano Green Printing of Smart Sensing Devices for Biological Diagnostic

11:00
11:40

online

Li Fenfyi

Motion monitoring and analysis

11:40
12:00

Coffee break

12:00
12:40

Yali Sun

Chiral sensing

12:40
13:20

Kirill Bogdanov

Morphological features and potential applications of active whispering gallery mode microresonators

13:20
14:30

Lunch

14:30
15:10

Ivan Mukhin

Solid-state nanopores decorated with optical nanoantennas for studying the activity of single biomolecules

15:10
15:50

Kirill Tomyshev

Fiber optic sensors and biosensors based on evanescent optical field

16:00
17:00

Poster session

GMT+3

13 November, Wednesday

10:00
11:00

Gleb Sukhorukov

Anchor functional colloids in biological cells: tool for intracellular exploration, in vivo delivery and tracing individual cells

11:00
11:40

Elina Genina

Plasmonic Photothermal Therapy: Challenges and New Approaches

11:40
12:00

Coffee break

12:00
12:40

Dmitry Kostyushev

Biocamouflage for the delivery of inorganic nanoparticles

12:40
13:20

Abakumov Maxim

Magnetic nanoparticles in biomedicine: from synthesis to application

13:20
14:30

Lunch

14:30
15:10

Alessandro Parodi

The importance of functional fluorogens in nanomedicine and ecotoxicology: focus on aggregate-induced emission luminogens

15:10
15:50

Closing ceremony

— Awarding