

**International Russian-Chinese
Workshop on Light for Life Sciences
October 16-20, 2025, Hotel Sputnik, 36 Prospect Toreza
St.-Petersburg, Russia**

Program

Thursday, October 16	
18:00 – 20:00	Registration, Welcome party

Friday, October 17		
Time	Participant, Affiliation	Title
09:00 – 09:15	Opening	
	Chair: O. Vasyutinskii	
09:15 – 09:45	Prof. Junle Qu Shenzhen University, Shenzhen, China	High Spatiotemporal Resolution Multimodal In Vivo Optical Microscopy
09:15 – 09:45	Dr. Vladislav Shcheslavskiy Privolzhsky Research Medical University, Nizhny Novgorod, Russia	Time- and Spectrally Resolved Bioimaging
09:45 – 10:15	Prof. Yanmei Wang Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, Wuhan, China	Vibrational Coherence Dynamics in Excited 2, 4-Difluoroanisole and Its Dimer
10:15 – 10:45	Dr. Andrey Belashov Ioffe Institute, St.Petersburg, Russia	Analysis of Methylene Blue Fluorescence Properties in Solutions and Living Cells
10:15 – 10:45	Coffee Break	
	Chair: J. Qu	
10:45 – 11:15	Prof. Oleg Vasyutinskii Ioffe Institute, St.Petersburg, Russia	Determination of Fluorescence Quantum Yields and Decay Times in NADH and FAD in Water-Alcohol Mixtures: Separation of Radiative and Nonradiative Relaxation Pathways
11:15 – 11:45	Dr. Fangrui Lin Shenzhen University, Shenzhen, China	Fluorescence Lifetime Imaging Microscopy and its Biological Applications
11:45 – 12:15	Prof. Bei Ding Shanghai Jiao Tong University, Shanghai, China	How Do Nature's Smallest Photoswitches Work? Decoding the Proton-Coupled Electron Transfer Code in BLUF Domains
12:15 – 14:15	Lunch	
	Chair: V. Shcheslavskiy	
14:30 – 15:00	Dr. Ioanna Gorbunova Ioffe Institute, St.Petersburg, Russia	Time-Resolved Polarized Laser Spectroscopy of Fluorescent Endogenous Molecular Probes

15:00 – 15:30	Prof. Xiaoyu Weng Shenzhen University, Shenzhen, China	Research on Optical Imaging via Advanced Light-Field Control
15:30 – 16:00	Denis Volkov Ioffe Institute, St.Petersburg, Russia	Linear Dichroism and Birefringence in Polarization-Modulated Pump-Probe Spectroscopy
19:00	Dinner	

Saturday, October 18		
Time	Participant, Affiliation	Title
09:00 – 09:15	Discussion: Prof. V. Tuchin, Prof. O. Vasyutinskii	
	Chair: X. Weng	
09:15 – 09:45	Prof. Valery Tuchin Saratov State University, Saratov, Russia	Tissue Optical Clearing Technology in Studies of Diabetes Mellitus Complications
09:15 – 09:45	Dr. Xiu-Wen Kang Shanghai Jiao Tong University, Shanghai, China	Study of the Light-Initiated Ultrafast Dynamics in Gluconobacter oxydans 'ene'-reductase (GluER)
09:45 – 10:15	Prof. Alexander Priezzhev Moscow State University, Moscow, Russia	Assessing the Red Blood Cells Aggregation in Microvessels In Vivo by Optical Capillaroscopy
10:15 – 10:45	Prof. Jian Liu Beijing National Laboratory for Molecular Sciences, Institute of Theoretical and Computational Chemistry, Beijing, China	Nonadiabatic Field: A Conceptually New Approach for Nonadiabatic Transition Dynamics
10:15 – 10:45	Coffee Break	
	Chair: V. Tuchin	
10:45 – 11:15	Dr. Yu Chen Shenzhen University, Shenzhen, China	In Vivo Imaging of Disease Microenvironments via FLIM and CARS/SHG Imaging for Therapeutic Evaluation
11:15 – 11:45	Irina Semenova Ioffe Institute, St.Petersburg, Russia	QPI- and FLIM-based multimodal approach for analysis of cells response to treatment
11:45 – 12:15	Dr. Andrei Lugovtsov Moscow State University, Moscow, Russia	Relationship Between Microrheological Parameters of Blood and its Microcirculation Measured by Optical Methods in vitro and in vivo in Cardiovascular Diseases
12:15 – 14:15	Lunch	
	Chair: A. Priezzhev	
14:30 – 15:00	Prof. Jinyou Long Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences, Wuhan, China	UV Wavelength-Dependent Photoionization Quantum Yields for the Dark $1n\pi^*$ State of Aqueous Thymidine by Liquid-microjet Photoelectron Spectroscopy

15:00 – 15:30	Dina Beltukova Ioffe Institute, St.Petersburg, Russia	Time-Resolved Phosphorescence of Singlet Oxygen and Triplet State of Radachlorin and Chlorin e6 in the Presence of Albumins
15:30 – 16:00	Danila Umerenkov Moscow State University, Moscow, Russia	Search for Microrheological and Microcirculatory Markers of Cardiovascular Diseases Using Machine Learning
16:00 – 16:15	Concluding remarks: Prof. J. Qu, Prof. V. Tuchin, Prof. O. Vasyutinskii	
19:00	Banquet	

Sunday, October 19	
10:00 – 20:00	Bus Excursion

Monday, October 20	
10:00 – 19:00	Visiting the laboratories of the Ioffe Institute and Alferov Academic University
19:00	Dinner