



**Bogolyubov Institute for Theoretical Physics
Politecnico di Milano
Kyiv Academic University
Institute of Mathematics
Kiev Biophysical Society**

Seminar on Biomolecular Modeling and Simulations

22 May, 2019, Wednesday

PROGRAM

Room 422

10-30	Seminar Opening Deputy Director of the BITP, Prof. Volodymyr Zasenکو
10-35	Sergiy Perepelytsya “Modeling the structure and dynamics of DNA with organic and inorganic counterions” (<i>Bogolyubov Institute for Theoretical Physics</i>)
10-55	Polina Kanevska “Mechanisms of intrinsic bending of DNA double helix” (<i>Bogolyubov Institute for Theoretical Physics</i>)
11-15	Oleksii Zdorevskiy “Competitive interaction of hydrogen peroxide and water molecules with DNA active sites” (<i>Bogolyubov Institute for Theoretical Physics</i>)
11-35	Tatiana Bubon “Structure and dynamics of the hydration spine of DNA minor groove” (<i>Bogolyubov Institute for Theoretical Physics</i>)
11-55	Alina Frolova “Studying human placenta on the single cell level” (<i>Institute of Molecular Biology and Genetics</i>)
12-15	Break and discussion
Conference Hall	
13-00	Prof. Alberto Redaelli “Biomechanics @ PoliMI ” (<i>Politecnico di Milano. Computational Biomechanics Laboratory</i>)
13-30	Prof. Alfonso Gautieri “Molecular dynamics investigation and design of Self-Assembling Peptides” (<i>Politecnico di Milano. Computational Biomechanics Laboratory</i>)
14-15	Lunch
15-00	Excursion to arboretum "Feofaniya"