



## March, 21

9.30-9.40

**Opening Ceremony**

### Session 1. Chair – Prof. Elena Bagryanskaya

9.40-10.25

**PL-1. Prof. Vladimir Fedin**

"Functional Materials Based on Cucurbit[n]urils"

10.25-10.40

**OC-1. Kseniya Maryunina**

"Physical and "Chemical" Pressure Effect and on Magnetic Anomalies in Cu(II)-Nitroxides Complexes"

10.40-10.55

**OC-2. Evgeny Mostovich**

"Toward Fully Organic Dye-Sensitized Solar Cells"

10.55-11.10

**OC-3. Maxim Kazantsev**

"Novel Thiophene/phenylene Single Crystal Semiconductor Materials"

11.10-11.25

**OC-4. Arseny Karmatsky**

"A Facile and Convenient Synthesis of Novel Thieno[2,3-*b*]indole Dyes for Dye-sensitized Solar Cells"

11.25-11.45

**Coffee Break**

### Session 2. Chair – Prof. Vladimir Fedin

11.45-12.30

**PL-2. Prof. Evgeny Tretyakov**

"Modern Chemistry of Nitronyl and Iminonitroxides "

12.30-12.45

**OC-5. Ivan Sokol**

"Thieno[3,4-*b*]pyrazine Monomers for Narrow-bandgap Molecules"

12.45-13.00

**OC-6 Nikolay Semenov**

"Novel Reaction of 1,2,5-Chalcogenadiazoles – Coordination of Anions by Chalcogen Atoms"

13.00-14.30

**Lunch**

### Session 3. Chair – Prof. Evgeny Tretyakov

**14.30-14.55** **KL-1. Pavel Zaikin**  
"Microwave-assisted Organic Synthesis with Anton Paar Monowave 300: NIOC SB RAS experience"

**14.55-15.20** **KL-2. Sponsor presentation**

**15.20-15.30** **SC-1. Yulia Anisina**  
"The Synthesis of Lactam-containing Derivatives of Arylsulfonylglycine"

**15.30-15.40** **SC-2. Semen Babenko**  
"Investigation of CIDNP Kinetics by Means of Flash-photolysis and NMR"

**15.40-15.50** **SC-3. Nina Chernova**  
"Synthesis of Pyrazole-Derived thioethers"

**15.50-16.00** **SC-4. Natalia Chirtsova**  
"Polymeric Materials Based on Polystyrene and Octahedral Halide Molybdenum Cluster Complexes"

**16.00-16.10** **SC-5. Anastasiya Sokolova**  
"Biological Activity of New Camphor Derivatives"

**16.10-16.30** **Coffee Break**

### Session 4. Chair – Andrey Ivanov

**16.30-17.15** **PL-3. Prof. Elena Bagryanskaya**  
"New Approaches to Study Structure of Biopolymers Using Pulse EPR"

**17.15-17.25** **SC-6. Maxim Gromov**  
"Synthesis of Magnetically-controlled Reusable Catalyst of Alcohol's Oxidation Process Based on Polyvalent Iodine"

**17.25-17.35** **SC-7. Regina Ibragimova**  
"Click-reactions with Bifunctional *p-tert*-Butylthiacalix[4]arenes Derivatives with Long Chain Alkyl and Alkynyl Fragments"

**19.00**

**Welcome Mixer**

## March, 22

### Session 5. Chair – Prof. Sergey Sysolyatin

#### PL-4. Prof. Sylvain Marque

9.30-10.15 "Controlled Radical Polymerization: The Grail of the Polymer Chemist"

#### OC-7. Christina Becker

10.15-10.30 "Unusual Transformations in Vilsmeier-Haack Reaction on Nitrones"

#### KL-3. Dr. Mikhail Kuznetsov

10.30-11.00 "Modern equipment for organic synthesis from Biotage"

11.00-11.30 **Coffee Break**

### Session 6. Chair – Prof. Aleksander Vasilyev

#### SC-8. Sergey Dobrynin

11.30-11.40 "Synthesis of Nitroxides from Aldonitrones and Non-conjugated Dienes Using Inter- and Intramolecular 1,3-Dipolar Cycloadditions"

#### SC-9. Marina Rakhmanova

11.40-11.50 "Bromination of Usnic Acid and Its Derivatives as a Way to Novel Bioactive Substances"

#### SC-10. Alexandrina Skolyapova

11.50-12.00 "Synthesis of Aminoquinolines Based on Polyfluorinated on the Benzene Moiety 2-Chloroquinolines"

#### SC-11. Dina Khalelova

12.00-12.10 "Biological Active Substances in Plant Raw Material of Calligonum aphyllum (PALL.) GURKE"

#### SC-12. Alexander Lukianov

12.10-12.20 "Lactide Purification by Recrystallization"

#### SC-13. Roman Peshkov

12.20-12.30 "One-pot synthesis of 4'-Alkyl-4-cyanobiphenyls on the Basis of Terephthalonitrile Dianion and Neutral Aromatic Nitrile Cross-coupling"

#### SC-14. Konstantin Ponomarev

12.30-12.40 "Synthesis and Analgesic Activity of New Compounds Combining Azaadamantane and Monoterpene Fragments"



## March, 23

### Session 9. Chair – Dr. Dmitrii Mazhukin

- 9.30-10.15** **PL-7. Prof. Jean-François Poisson**  
"Natural Products as a Source of Inspiration"
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- 10.15-10.30** **OC-14. Sergey Patrushev**  
"Synthesis of Pyrimidine Derivatives of Isoalantolactone"
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- 10.30-10.45** **OC-15. Darya Kushnarevich**  
"Methods of Determination of Active Ingredients in the Substance and in the Capsules of the Suttigen Drug from Euphorbia soongarica Boiss"
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- 10.45-11.10** **KL-4. Dr. Victor Tormyshev**  
"Persistent Trityl Radicals: Chemistry and Applications"
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- 11.10-11.30** **Coffee Break**

### Session 10. Chair – Prof. Valery Fokin

- 11.30-12.15** **PL-8. Prof. Konstantin Volcho**  
"Towards the Development of New Drugs: the Role of Natural Compounds"
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- 12.15-12.30** **OC-16. Irina Popadyuk**  
"Synthesis of Methyl C-3 $\beta$ -epoxy-12-oxocholan-24-oate and Its Reactions with S- and N-nucleophiles"
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- 12.30-12.45** **OC-17. Maxim Mironov**  
"Synthesis of Labdane Type Spirocyclic Heteropolycyclanones"
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- 12.45-13.00** **OC-18. Antonio Di Martino**  
"Chitosan Grafted Carboxy Functionalized Polylactide Nanoparticles for Multidrugs Controlled and Sustained Release"
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- 13.15-14.30** **Lunch**

**Session 11. Chair – Prof. Yuri Morzherin**

**14.30-15.15 PL-9. Prof. Sergey Sysolyatin**

"Chemistry of Polycyclic nitramines"

**SC-17. Dyan Ok Ton**

**15.15-15.25** "1,1-Difluoronaphthalene-2(1*H*)-ones in Synthesis of Tetraphene Derivatives"

**SC-18. Yuri Ten**

**15.25-15.35** "New Derivatives of Stable Hybrid Phenoxy-Nitroxides"

**SC-19. Darya Trofimova**

**15.35-15.45** "Synthesis and Investigation of Photochemical Properties of 7-Hydroxy-1,1-difluoro-2 (1*H*) -naphthalenone and Its Derivatives"

**SC-20. Darya Usatenko**

**15.45-15.55** "Synthesis of Monomers, Containing Polyfluoroarenesulfonyl Group"

**SC-21. Stepan Vorobyev**

**15.55-16.05** "Synthesis of Novel Lactam-containing Diphenolic Derivatives"

**SC-22. Svetlana Zhivetyeva**

**16.05-16.15** "The Study of the Interaction of Fluoranil and Other Polyfluoro-1,4-benzoquinones with Triphenylphosphane"

**16.15-16.30**

**Coffee Break**

**Session 12. Chair – Prof. Evgeny Talsi**

**16.30-16.55 KL-5. Dr. Ivan Boldyrev**

"Closing Macro- and Pentane Cycles in Archaea Lipid Synthesis"

**KL-6. Dr. Paul Brémond**

**16.55-17.20** "Chemically Triggered C–ON Bond Homolysis of Alkoxyamines: Activation, Double Activation and Application in Theranostics"

**OC-19. Alexandra Eliseeva**

**17.20-17.35** "Acylation of Amidrazones by Dicarboxylic Acid Chlorides"

**OC-20. Natalia Cheremichkina**

**17.35-17.50** "One-pot Synthesis of Functionalized Cyclopentenes from Ketones and Acetylenes"

**20.00-**

**Banquet**

## March, 24



### Day of **Ski** & **Free Time**

19.30-21.00

1<sup>st</sup> poster session

## March, 25

### Session 13. Chair – Prof. Konstantin Volcho

#### PL-10. Prof. Nina Gritsan

9.30-10.15

"Quantum Chemistry as a Powerful Tool of Physical Organic Chemistry"

#### OC-21. Dmitry Fadeev

10.15-10.30

"Experimental and theoretical investigation of NMR-parameters of Heptafluoroindenyl Cation"

#### OC-22. Ivan Peterson

10.30-10.45

"NMR Investigation of Adamantane Derivatives of 1,3-; 1,4-; 2,6- и 2,7-Dihydroxynaphthalenes"

#### OC-23. Pavel Postnikov

10.45-11.00

"Synthesis and Structure Investigation of Novel Dibenziodonium Salts"

11.00-11.30

Coffee Break

### Session 14. Chair – Prof. Victor Filimonov

#### PL-11. Prof. Andrey Ivanov

11.30-12.15

"Development of Fundamental and Applied Pyrrole Chemistry Based on Acetylene"



- 12.15-12.30** **OC-24. Natalia Kiseleva**  
"Controlled Synthesis of Functional Copolymers Based on Methacrylic Monomers Using Ruthenacarborane Catalysts"
- 12.30-12.45** **OC-25. Anton Muravev**  
"Design of Functional Derivatives of Thiocalix[4]arenes for the Langmuir-Blodgett Film Preparation Based on Their Homo- and Heteronuclear Metal Complexes"
- 12.45-13.10** **KL-7. Dr. Inna Zibareva**  
"Difficulties of Making Choice: Information Resources for Science and Education"
- 13.15-14.30** **Lunch**

**Session 15. Chair – Prof. Alexander Fisyuk**

- 14.30-15.15** **PL-12. Prof. Yuri Morzherin**  
"Synthetic Cannabinoids: Illegal Drugs or Pharmaceuticals. Structure, Biological Activity and Classification"
- 15.15-15.30** **OC-26. Victoria Shcherbakova**  
"Dihaloethanes as Synthetic Equivalents of Acetylene in Selective One-pot Synthesis of Pyrroles from Ketones"
- 15.30-15.45** **OC-27. Hoang Thi Lien**  
"Sulfur-containing Binucleophilic Reagents in the Synthesis of Novel 2(5H)-Furanone Based S-heterocycles and Thiamacrocycles"
- 15.45-16.10** **KL-8. Dr. Dmitrii Mazhukin**  
"Vicinal Bis(hydroxylamines): Versatile Nucleophiles for Synthesis an Array of N-O Containing Heterocycles and Functional Derivatives"
- 16.10-16.30** **Coffee Break**

**Session 16. Chair – Prof. Sylvain Marque**

- 16.30-17.15** **PL-13. Prof. Alexander Fisyuk**  
"Organic Semiconductors. Design, Synthesis, Application"
- 17.15-17.30** **OC-28. Albina Latypova**  
"New Trialkoxysilanes Containing Complexing Moieties, and Their Use in the Silica Luminescent Nanoparticle Functionalization"

