



Daniil A. Ahiadorme
Student at Moscow State University
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Personal profile

Nationality: Russian

Place & date of birth: Moscow, Russian Federation, 22.03.1995

Home address: 11 Shokalskogo proyezd, Moscow, Russian Federation

Languages: Russian (native), English (Advanced), Spanish (beginner)

TOEFL iBT: 91

Education:

Ph.D. in chemistry at University of Georgia, Athens GA.

August 2019 - current time

Specialist degree at M. V. Lomonosov Moscow State University Chemistry Department
September 2013 - July 2019.

Diploma topic: New glycosyl acceptors in the synthesis of sialo-oligosaccharides

Overall GPA: 3.3

Chemistry GPA: 3.4

Research experience:

- Research work at Dr. Leonid Kononov research group, N.K. Kochetkov laboratory of carbohydrate chemistry, N. D. Zelinsky Institute of Organic Chemistry Russian Academy of Science (RAS) July 2014 - spring 2019
- Summer practise at prof. Timor Baasov research group, Technion University, Haifa, Israel. July - August 2017
- Summer practice at prof. Pol Besenius research group, Johannes Gutenberg-Universität Mainz, Mainz, Germany July - August 2016
- Summer practice at prof. Alexei Demchenko research group, University of Missouri – St. Louis (UMSL), St. Louis, USA. July - August 2015

Research interests

1. Glycosylation and orthogonal protection of carbohydrates
2. Peptide solid phase synthesis
3. Synthesis of glycoconjugates
4. Supramolecular chemistry
5. Fine organic synthesis
6. Biochemistry of glycoside derivatives

Articles & manuscripts:

- Manuscript in preparation: D.A. Ahiadorme; N.M. Podvalnyy; A.V. Orlova; L.O. Kononov. To be submitted to *Organic & Biomolecular Chemistry*. **2019**.
- D.A. Ahiadorme; N.M. Podvalnyy; A.V. Orlova; A.O. Chizhov; L.O. Kononov. *Russ. Chem. Bull.* **2016**, 65, 2276–2778.

Research Presentations:

2018

1. D.A. Ahiadorme; N.M. Podvalnyy; A.V. Orlova; L.O. Kononov. Concentration-dependent reactivity and stereoselectivity of glycosylation: why a reaction may stop at some concentrations? 29th International Carbohydrate Symposium - ICS 2018, Lisbon, Portugal, July 14 - 19 2018, abstract № YRW-FL10 (Flash communication).
2. D.A. Ahiadorme; N.M. Podvalnyy; A.V. Orlova; L.O. Kononov. Concentration-dependent reactivity and stereoselectivity of glycosylation: why a reaction may stop at some concentrations? IV Russian conference - Fundamental glycobiology, Kirov, Russian Federation, September 23 - 28 2018. Flash communication № 2.

2017

1. L.O. Kononov; A.V. Orlova; N.N. Malysheva; K.F. Fedina; D.A. Ahiadorme; N.N. Kondakov; P.I. Abronina; N.M. Podvalnyy. Reactivity and stereoselectivity in glycosylation: emphasis on concentration. 19th European Carbohydrate Symposium – EUROCARB 2017, Barcelona, July 2 - 6 2017, abstract № 304 (oral presentation)
2. D.A. Ahiadorme, A.V. Orlova, N.M. Podvalnyy, L.O. Kononov. Concentration-dependent stereoselectivity of glycosylation with arabinofuranosyl bromide: “nitrile effect” or solution structure changes?. 19th European Carbohydrate Symposium – EUROCARB 2017, Barcelona, July 2 - 6 2017, poster № 411.

2016

1. D.A. Ahiadorme; N.M. Podvalnyy; A.I. Zinin; L.O. Kononov. Dibutylphosphate anion glycosylation with arabinofuranosyl bromide: dependence of the reagents concentration on anomeric ratio of the glycosylphosphates. III Russian conference – Fundamental glycobiology, Vladivostok, Russian Federation, September 7-12 2016. Poster S2-1.

Practical skills:

1. General organic synthesis
2. Glycosylation reactions
3. HPLC system/chromatography columns/TLC
4. Solid phase synthesis
5. NMR spectrometer
6. NMR spectra analysis
7. Reactions with ion exchange resins

Computer skills:

1. MS office, organizing data in the MS office and OneDrive cloud.
2. MestReNova, TopSpin.
3. HPLC system/chromatography columns/TLC
4. Scientific databases: WoS, Scopus, SciFinder, Reaxys, google scholar
5. Citation managers: EndNote, Mendeley
6. Adobe software: Adobe Illustrator, Adobe Indesign, Adobe Acrobat
7. Origin: graphing software
8. Software management, Windows management

Hobbies:

1. Sport (running, jym, basketball, swimming)
2. Chess
3. Working in audio software
4. Travelling