CURRICULUM VITAE

PERSONAL DATA

Name: Arseny Moralev
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Date of birth: 17/03/2000
Place of birth: Novosibirsk (Russia)
Education: Novosibirsk State University
Place of work: Institute of Chemical Biology and Fundamental Medicine, Novosibirsk

EDUCATION AND EXPERIENCE:

2018-2022: Bachelor's Degree Student of Novosibirsk State University, Department of Natural Sciences. Speciality: Biology. Diploma Thesis: ***Antitumor and immunomodulatory potential of new derivatives of soloxolone methyl: pharmacological effect and possible mechanisms of action.***

2022-2024: Master's Degree student of Novosibirsk State University, Department of Natural Sciences. Speciality: Synthetic Biology. Diploma Thesis: ***Multi-drug resistance of tumor cells: new potential master regulators and small molecule inhibitors based on 18βH-glycyrrhetic acid***.

2024-present: Ph.D. of Novosibirsk State University, Department of Natural Sciences. Speciality: Molecular Biology. Thesis: ***Search for low molecular weight semi-synthetic compounds based on natural metabolites that enhance the sensitivity of tumour cells to chemotherapy, using in silico, in vitro and in vivo approaches.***

2020-present: Senior laboratory assistant in the Laboratory of Nucleic Acids Biochemistry, Institute of Chemical Biology and Fundamental Medicine, Novosibirsk.

LIST OF PUBLICATIONS

1. Salomatina O. V. et al. Novel epoxides of soloxolone methyl: An effect of the formation of oxirane ring and stereoisomerism on cytotoxic profile, anti-metastatic and anti-inflammatory activities in vitro and in vivo //International Journal of Molecular Sciences. – 2022. – Т. 23. – №. 11. – С. 6214.
2. Moralev A. D. et al. A Novel 3-meta-Pyridine-1, 2, 4-oxadiazole Derivative of Glycyrrhetinic Acid as a Safe and Promising Candidate for Overcoming P-Glycoprotein-Mediated Multidrug Resistance in Tumor Cells //ACS omega. – 2023. – Т. 8. – №. 51. – С. 48813-48824.
3. Moralev A. D., Zenkova M. A., Markov A. V. Complex Inhibitory Activity of Pentacyclic Triterpenoids against Cutaneous Melanoma In Vitro and In Vivo: A

Literature Review and Reconstruction of Their Melanoma-Related Protein Interactome //ACS Pharmacology & Translational Science. – 2024.

4. Moralev A. D. et al. Soloxolone N-3-(Dimethylamino) propylamide Restores Drug Sensitivity of Tumor Cells with Multidrug-Resistant Phenotype via Inhibition of P-Glycoprotein Efflux Function //Molecules. – 2024. – Т. 29. – №. 20. – С. 4939.