Curriculum vitae: Ekaterina Moiseeva

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Education

2000–2005	The Netherlands, Utrecht	Utrecht Universityб Veterinary Faculty, Department of Biochemistry and Cell Biology	PhD study, Philosophy doctor, PhD
1972–1977	Moscow, USSR	Moscow State University, Biological Faculty, Department of Embryology	Zoologist, specialization in Embryology

IBCh positions

2022–to date	Research fellow	
2020–2022	Research fellow	

Scientific interests

1. Immune system - tumor interplay: immunological oncology (oncoimmunology)

2. Histopathology of breast cancer and lymphoma

3. Development of novel mouse models of human chronic inflammation diseases

Scientific societies' membership

1. Member of European Personalized Medicine Association (EPMA)

2. Advisor on medical questions in Russian Academy of Natural Sciences

Titles

	Doctor of Philosophy (Biological sciences)

Publications

1. Rubtsova M, Mokrushina Y, Andreev D, Poteshnova M, Shepelev N, Koryagina M, **Moiseeva E**, Malabuiok D, Prokopenko Y, Terekhov S, Chernov A, Vodovozova E, Smirnov I, Dontsova O, Gabibov A, Rubtsov Y (2025). A Luciferase-Based Approach for Functional Screening of 5′ and 3′ Untranslated Regions of the mRNA Component for mRNA Vaccines. *Vaccines (Basel)* 13 (5), 530, 10.3390/vaccines13050530
2. Gracheva I, Konovalova M, Aronov D, **Moiseeva E**, Fedorov A, Svirshchevskaya E (2021). Size-Dependent Biodistribution of Fluorescent Furano-Allocolchicinoid-Chitosan Formulations in Mice. *Polymers (Basel)* 13 (13), 2045, 10.3390/polym13132045
3. Rapoport EM, **Moiseeva EV**, Aronov DA, Khaidukov SV, Pazynina GV, Tsygankova SV, Ryzhov IM, Belyanchikov IM, Tyrtysh TV, McCullough KC, Bovin NV (2020). Glycan-binding profile of DC-like cells. *Glycoconj J* 37 (1), 129–138, 10.1007/s10719-019-09897-9
4. Aronov DA, Zhukov VV, Semushina SG, **Moiseeva EV** (2019). Imbalances in cellular immunological

parameters in blood predetermine tumor onset in a natural mouse model of breast cancer. *Cancer Immunol Immunother* 68 (5), 721–729, 10.1007/s00262-019-02312-0
5. Semushina SG, Aronov DA, **Moiseeva EV** (2018). Local Interleukin-2 Immunotherapy of Breast Cancer: Benefit and Risk in a Spontaneous Mouse Model. *Pathol Oncol Res* 25 (3), 945–951, 10.1007/s12253-018-0396-6
6. Alekseeva AA, **Moiseeva EV**, Onishchenko NR, Boldyrev IA, Singin AS, Budko AP, Shprakh ZS, Molotkovsky JG, Vodovozova EL (2017). Liposomal formulation of a methotrexate lipophilic prodrug: Assessment in tumor cells and mouse T-cell leukemic lymphoma. *Int J Nanomedicine* 12, 3735–3749, 10.2147/IJN.S133034
7. **Moiseeva EV**, Beirakhova KA, Semushina SG, Aronov DA, Makarov DA, Esipov RS (2015). Efficiency of Recombinant Thymosin β4 in Spontaneous Mouse Model of Chronic Dermatitis. *Bull Exp Biol Med* 158 (5), 670–672, 10.1007/s10517-015-2831-y
8. **Moiseeva EV**, Kuzitetsova NR, Svirshchevskaya EV, Bovin NV, Sitnikov NS, Shavyrin AS, Beletskaya IP, Combes S, Fedorov AY, Vodovozova EL (2012). Liposome formulations of combretastatin A4 and 4-arylcoumarin analog prodrugs: Antitumor effect in the mouse model of breast cancer. *Biomed Khim* 58 (3), 326–338, 10.18097/pbmc20125803326
9. Boldyrev IA, Gaenko GP, **Moiseeva EV**, Deligeorgiev T, Kaloyanova S, Lesev N, Vasilev A, Molotkovsky JG (2011). Europium complexes of 1,10-phenanthrolines: Their inclusion in liposomes and cytotoxicity. *Russ. J. Bioorganic Chem.* 37 (3), 364–368, 10.1134/S106816201103006X
10. Boldyrev IA, Gaenko GP, **Moiseeva EV**, Deligeorgiev T, Kaloianova S, Lesev N, Vasilev A, Molotkovskiĭ IG (2011). [1,10-phenantroline europium complexes: their inclusion in liposomes and cytotoxicity].*Bioorg Khim* 37 (3), 408–413.
11. Sitnikov NS, Boldyrev IA, **Moiseeva EV**, Shavyrin AS, Beletskaya IP, Combes S, Bovin NV, Fedorov AY, Vodovozova EL (2010). Antitumor liposomes bearing a prodrug of combretastatin A-4 and a tetrasaccharide ligand of selectins. *Russ Chem Bull* 59 (12), 2290–2296, 10.1007/s11172-010-0390-y
12. **Moiseeva EV**, Semushina SG, Chaadaeva AV, Sadovnikova ES, Kessler YV (2010). Criteria for analysis of interleukin-2 efficacy in a spontaneous murine mammary tumor model. *Vopr Onkol* 56 (4), 443–449.
13. Kurmyshkina O, Rapoport E, **Moiseeva E**, Korchagina E, Ovchinnikova T, Pazynina G, Belyanchikov I, Bovin N (2010). Glycoprobes as a tool for the study of lectins expressed on tumor cells.*Acta Histochem* 112 (2), 118–126, 10.1016/j.acthis.2009.01.004
14. Gaenko GP, **Moiseeva EV**, Savelev OY, Molotkovskii YG, Vodovozova EL (2009). Antitumor activity of the lipid fraction of the spores of an anaerobic bacterium Clostridium butyricum. *Microbiology* 78 (5), 580–584, 10.1134/S0026261709050087
15. Chaadaeva AV, Tepkeeva II, **Moiseeva EV**, Svirshchevskaya EV, Demshkin VP (2009). Antitumor activity of the plant remedy peptide extract pe-pm in a new mouse t-lymphoma/leukemia model. *Biomed Khim* 55 (1), 81–88.
16. Den Otter W, Jacobs JJL, Battermann JJ, Hordijk GJ, Krastev Z, **Moiseeva EV**, Stewart RJE, Ziekman PGPM, Koten JW (2008). Local therapy of cancer with free IL-2.*Cancer Immunol Immunother* 57 (7), 931–950, 10.1007/s00262-008-0455-z
17. Tepkeeva II, **Moiseeva EV**, Chaadaeva AV, Zhavoronkova EV, Kessler YV, Semushina SG, Demushkin VP (2008). Evaluation of antitumor activity of peptide extracts from medicinal plants on the model of transplanted breast cancer in CBRB-Rb(8.17)1Iem mice. *Bull Exp Biol Med* 145 (4), 464–466, 10.1007/s10517-008-0119-1
18. Тепкеева ИИ, **Моисеева ЕВ**, Чаадаева АВ, Жаворонкова ЕВ, Кесслер ЮВ, Семушкина СГ, Дёмушкин ВП (2008). Оценка противоопухолевой активности пептидных экстрактов растений в перевиваемой модели рака молочной железы на мышах линии CBRB-Rb(8.17)1Iem. 145 (4), 446–448.
19. Lebedenko EN, Balandin TG, Edelweiss EF, Georgiev O, **Moiseeva ES**, Petrov RV, Deyev SM (2007). Visualization of cancer cells by means of the fluorescent EGFP-barnase protein. *Dokl Biochem Biophys* 414 (1), 120–123, 10.1134/S1607672907030088

20. Mushenkova N, **Moiseeva E**, Chaadaeva A, Den Otter W, Svirshchevskaya E (2006). Antitumor effect of double immunization of mice with mucin 1 and its coding DNA. *Anticancer Res* 25 (6), 3893–3898.
21. Мушенкова НВ, **Моисеева ЕВ**, Чаадаева АМ (2006). Индукция гуморального и клеточного ответа на муцин-1 с использованием ДНК иммунизации. 27 (4), 216–221.
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23. **Moiseeva EV**, Rapoport EM, Bovin NV, Miroshnikov AI, Chaadaeva AV, Krasilshschikova MS, Bojenko VK, Bijleveld C, Van Dijk JE, Den Otter W (2005). Galectins as markers of aggressiveness of mouse mammary carcinoma: Towards a lectin target therapy of human breast cancer. *Breast Cancer Res Treat* 91 (3), 227–241, 10.1007/s10549-005-0289-8
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28. Vodovozova EL, **Moiseeva EV**, Grechko GK, Gayenko GP, NifantEv NE, Bovin NV, Molotkovsky JG (2000). Antitumour activity of cytotoxic liposomes equipped with selectin ligand SiaLe(X), in a mouse mammary adenocarcinoma model. *Eur J Cancer Clin Oncol* 36 (7), 942–949, 10.1016/S0959-8049(00)00029-0
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33. **Moiseeva EV**, Svirshchevskaya EV, Dozmoro IM (1988). The influence of allogeneic lymphocytes on survival of sublethally irradiated mice. *Radiobiologiia* 28 (2), 235–238.