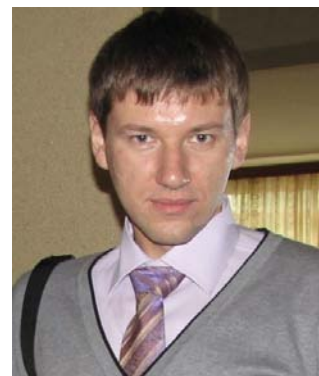


Roman S. Fadeev, PhD

PERSONAL INFORMATION

Name	Roman S. Fadeev
Date and place of birth	June 19, 1982 Saratov region, Russia
Home Address	35 “B”, 115, Pushchino, Moscow region, Russia, 142290
Phone	+79264384557
Email	fadeevrs@gmail.com



CURRENT APPOINTMENT

Staff scientist	2007-present, Institute of Theoretical and Experimental Biophysics, Russian Academy of Sciences (ITEB RAS), Laboratory of pharmacological regulation of cell resistance, Pushchino, Moscow region, Russian Federation, 142290
Staff scientist	2007-2014, ITEB RAS, Laboratory of Tissue Engineering, Pushchino, Moscow region, Russian Federation, 142290
Head of “Department of Cryopreservation of Cells and Tissues” of Common Use Center of ITEB RAS	2010-present, ITEB RAS, Pushchino, Moscow region, Russian Federation, 142290
Head of “Department of Confocal Microscopy” of Common Use Center of PRC RAS	2011-present, Research Center of RAS (PRC RAS), Pushchino, Moscow region, Russian Federation, 142290

EDUCATION

PhD in Biology	2012, Institute of Theoretical and Experimental Biophysics, Russian Academy of Sciences (ITEB RAS), 2009-2012
MSc in Biology	2009, Puchshino State University, Puchshino, Russian Federation, 2007-2009
Specialist (“Biology” and	2007, Saratov State University, Saratov, Russian

“Chemistry”–add. spec.)

Federation, 2002-2007

Nurse

2002, Balakovo Medical College, Balakovo, Russian Federation, 1999-2002

RESEARCH EXPERIENCE

Cell isolation and cell culture (cell lines, primary cell)

Tissue culture

Electrophoresis and western blotting

Light, fluorescent and confocal microscopy

Spectrophotometric and spectrofluorimetric analysis

Manipulation with lab animals (mice, rats)

RESEARCH INTERESTS

Acute myeloid leukemia (AML); interaction between bone marrow stroma (cells and ECM) and AML cells; multicellular resistance of AML cells; intercellular adhesion and drug resistance of AML cells; regulation of differentiation of AML cells

GRANTS

The grants to R. Fadeev as a research project Director:

1. Grant of Russian Foundation for Basic Research (№14-04-32183), the project title “The mechanism of drug resistance when myeloid leukemia cells transformation into proliferating macrophage-like cells”, 2013-2015.

PUBLISHED MANUSCRIPTS

Patent

Akatov VS, Chekanov AV., Fadeev RS et al.

RU 2012130891 A “Method of suppressing of tumors growth”, 27.01.2014

Publications in Peer-Reviewed Journals

1. Knyazeva E.L., Grishchenko V.M., Permyakov S.E., Permyakov E.A., Fadeev R.S., Akatov V.S. Who is mr. Hamlet? Interaction of human α -lactalbumin with monomeric oleic acid Biochemistry. 2008. T. 47. № 49. C. 13127-13137. PMID: 19006329.

2. Bobylev A.G., Bobyleva L.G., Shpagina M.D., Fadeeva I.S., Fadeev R.S., Podlubnaya Z.A., Kornev A.B., Troshin P.A., Deryabin D.G., Balzarini J. Fullerenolates: metallated polyhydroxylated fullerenes with potent anti-amyloid activity // Organic & Biomolecular Chemistry. 2011. T. 9. № 16. C. 5714-5719. PMID: 21713297.

3. Permyakov S.E., Knyazeva E.L., Leonteva M.V., Zhadan A.P., Permyakov E.A., Fadeev R.S., Chekanov A.V., Akatov V.S., Hkansson A.P. A novel method for preparation of hamlet-like protein complexes // Biochimie. 2011. V. 93. № 9. C. 1495-1501. PMID: 21596091.

4. R. S. Fadeev, A. V. Chekanov, N. V. Dolgikh, V. S. Akatov. Increase in resistance of A431 cancer cells to TRAIL-induced apoptosis in confluent cultures // *Biophysics*, 2012, V. 57, I. 4, pp 491-495. PMID: 23035531.
5. R. S. Fadeev, A. V. Chekanov, N. V. Dolgikh, V. S. Akatov. Multikinase inhibitor Sorafenib and HDAC inhibitor suberoylanilide hydroxamic acid suppress confluent resistance of cancer cells to recombinant protein izTRAIL // *Biophysics*, 2012, V. 57, I. 4, pp. 496-501. PMID: 23035532
6. A. G. Bobylev, A. D. Okuneva, L. G. Bobyleva, I. S. Fadeeva, R. S. Fadeev, N. N. Salmov, Z. A. Podlubnaya. Study of cytotoxicity of fullerene C60 derivatives // *Biophysics*. 2012, Volume 57, Issue 5, pp 572-576. PMID: 23136765
7. Fadeev RS, Kaptsov VV, Uminsky AA, Akatov VS. Cytotoxic effect of dihydroquercetin and its derivatives in liposomal form and in the form of fat nanoscale emulsions // *Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology*. 2011, Volume 5, Issue 1, pp 45-50. (WOS).
8. Fadeev RS, Chekanov AV, Dolgikh NV, Akatov VS. Resistance of Cancer Cells to TRAIL-Induced Apoptosis in Confluent Cultures // *Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology* 2013. Volume 7, Issue 1, pp 29-36. (WOS).
9. Permyakov S.E., Knyazeva E.L., Khasanova L.M., Zhadan A.P., Permyakov E.A., Fadeev R.S., Akatov V.S., Roche-Hakansson H., Håkansson A.P. Oleic acid is a key cytotoxic component of hamlet-like complexes // *Biological Chemistry*. 2012. T. 393. № 1-2. C. 85-92. PMID: 22628302
10. Nikiforova AB, Fadeev RS, Kruglov AG. Rapid fluorescent visualization of multiple NAD(P)H oxidoreductases in homogenate, permeabilized cells, and tissue slices // *Anal Biochem*. 2013 Jun 6;440(2):189-196. PMID: 23747529
11. A.A. Prosvirin, E.D. Sklyanchuk, V.V. Guriev, V.N. Gorshenev, A.T. Teleshev, V.S. Akatov, I.S. Fadeeva, R.S. Fadeev, A.M. Shushkevich. Physical and chemical properties and biocompatibility of nanostructured porous bone implants // *Technologies of Living Systems*. 2013. V. 10, No. 8, pp. 68-73. Russian
12. Elena V. Orlova, Roman S. Fadeev, and Eugene I. Maevsky. A New Biosafe Nanocomposite Polymer Sorbent (BNPS) for the Isotopes Sr and Cs: Application for the Decontamination of Highly Radioactive Water // *Advanced Science Focus*. 2013 Vol. 1, pp. 231-233.
13. Elena V. Orlova, Roman S. Fadeev, and Eugene I. Maevsky. New Biosafe Nanocomposite Polymer Sorbent (BNPS) for Isotopes Sr and Cs Sorption and for Decontamination Highly Radioactive Water in Solid Phase // *Journal of Polymer and Biopolymer Physics Chemistry*, 2013, Vol. 1, No. 1, pp. 9-12.
14. Zakharov S.G., Golenkov A.K., Mitina T.A., Lutsкая T.D., Belousov K.A., Fadeev R.S., Solovieva M.E., Senotov A.S., Akatov V.S. Increase of drug resistance of acute myeloid leukemia cells in multicellular aggregates in vitro // *Almanac of clinical medicine* 2014, No. 31, pp 2-7. Russian