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Vasily V. Grinev: Curriculum vitae

[Department of Genetics](#)

Vasily V. Grinev



**Candidate of Sciences in Biology, Associate Professor,
Scientific Head of the Sector of Human Molecular Genetics.**

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Education.

D.Sc. programme, Department of Genetics, the Faculty of Biology, Belarusian State University (November 2016 - present).

Candidate of Sciences in Biology, Vitebsk State Medical University, Republic of Belarus (May 2002).

Ph.D. programme, Department of Genetics, the Faculty of Biology, Belarusian State University (November 1996 - October 1999).

Master of Sciences in Genetics, the Faculty of Biology, Belarusian State University (September 1994 - July 1996).

Bachelor of Sciences in General Biology, the Faculty of Biology, Belarusian State University (September 1991 - July 1994).

Professional experience.

TSDCs Trainer, Institute of International Management, University of Applied Sciences FH Joanneum, Graz, Austria (November 2018).

Visiting Professor, Faculty of Science and Technology, Norwegian University of Life Sciences, As, Norway (May 2018, August 2018).

Visiting Professor, Wolfson Childhood Cancer Centre, Newcastle University, Newcastle upon Tyne, UK (January 2017 - March 2017).

Research Fellow, Genomics Research Laboratory, Department of Oncology, Luxembourg Institute of Health, Strassen, Luxembourg (November 2015).

Research Fellow, Genomics Research Unit, Centre de Recherche Public de la Santé (CRP-Santé), Luxembourg (November 2013 - December 2013).

Research Fellow, Leukemia Research Group, Northern Institute for Cancer Research at Newcastle University, Newcastle upon Tyne, UK (January 2008 - March 2008).

Research Fellow, Fusion Genes Research Group, Department of Molecular Biology, Interfaculty Institute for Cell Biology, Eberhard Karl University Tübingen, Tübingen, Germany (May 2006 - September 2006).

Associate Professor, Department of Genetics, the Faculty of Biology, Belarusian State University (September 2003 - present).

Assistant Professor, Department of Genetics, the Faculty of Biology, Belarusian State University (December 1999 - August 2003).

Honors and awards.

Certificate of Honor from Belarusian State University (October 2016).

Prize-winner of the Belarusian State University competition for Managers of students' researches (December 2009).

Scholarship from President of Republic of Belarus (January 2009 - December 2009).

INTAS Fellowship for Youth Scientists (February 2006 - March 2008).

Prize-winner of the Republican competition for students' research projects (May 1996).

Scholarship from George Soros Foundation (January 1995 - December 1995).

Scholarship from Ministry of Education of USSR (September 1991 - August 1992).

Research interests.

Role of t(8;21) and t(4;11) translocations in initiation and persistence of human leukemias.

Transcriptome complexity of the human leukemia and normal blood cells.

System molecular biology.

Complexity and robustness of nonequilibrium systems.

Publication activity.

A current list of publications contains more than 130 items (including books and contributions to books, manuals and guides, articles in journals, patents and practical applications and conference's abstracts). Overall impact points of the publications are 48.3, h-index 7, i10 index 3, RG score 20.67. Selected papers are listed in section "Publications".

Esteem indicators.

Reviewer for Journal of Genetic Syndromes & Gene Therapy and Nucleic Acid Therapeutics.

Patents and practical applications.

1) Grinev V. V., Nashkevich N. N. Immunochemical methods for determining the expression of proteins in human cells modified in vitro and in vivo with the use of lentiviral vector systems. Practical application. // Belarusian State University, Minsk, 2018.

2) Yatskou M. M., Skakun V. V., Grinev V. V. Fundamentals of work in R. Preliminary analysis of large sets of biological data. Practical application. // Belarusian State University, Minsk, 2018.

3) Yatskou M. M., Skakun V. V., Grinev V. V. Principal component analysis. Neural networks and the Kohonen layer. Practical application. // Belarusian State University, Minsk, 2018.

4) Yatskou M. M., Skakun V. V., Grinev V. V. Support vector machine. Global alignment of pairs of nucleotide sequences. The Needleman-Wunsch algorithm. Practical application. // Belarusian State University, Minsk, 2018.

5) Grinev V. V., Cherepovich V. S. Reconstruction and topological analysis of gene regulatory networks in human cell. Practical application. // Belarusian State University, Minsk, 2014.

6) Grinev V. V., Cherepovich V. S. Reconstruction, topological and functional analysis of gene regulatory network in t(8;21)(q22;q22)-positive acute myeloid leukemia cells. Practical application. // Belarussian research center for pediatric oncology, hematology and immunology, Minsk, 2014.

7) Grinev V. V., Ilyushonak I. M., Ramanouskaya T. V. Control of oncogenes expression in human cells by short hairpin RNAs. Practical application. // Belarusian State University, Minsk, 2014.

8) Grinev V. V., Ilyushonak I. M., Ramanouskaya T. V. Control of the fusion oncogene AML1/ETO expression in t(8;21)(q22;q22)-positive acute myeloid leukemia cells using anti-AML1/ETO short hairpin RNAs induced RNA interference. Practical application. // Belarussian research center for pediatric oncology, hematology and immunology, Minsk, 2013.

9) Grinev V. V., Posrednik D. V., Sevyaryn I. N., Potapnev M. P. Method of development of the bi-cistronic lentivirus transfer vector pHR-CMV-DRep encoding DsRed1 and eGFP reporter proteins. Patent #17654 issued by National Center for Intellectual Property, Minsk, Republic of Belarus, 2013.

10) Grinev V. V., Posrednik D. V., Ramanouskaya T. V. Gene modification of human cells by lentiviral transduction. Practical application. // Belarussian research center for pediatric oncology, hematology and immunology, Minsk, 2011.

11) Grinev V. V., Posrednik D. V. Gene modification of human cells by lentiviral transduction. Practical application. // Republican Scientific and Practical Center for Transfusiology and Medical Biotechnologies, Minsk, 2010.

12) Grinev V. V., Posrednik D. V., Sevyaryn I. N., Potapnev M. P. Gene modification of human cells by lentiviral transduction in vitro and ex vivo. Practical application. // Belarusian State University, Minsk, 2010.

13) Ramanouskaya T. V., Grinev V. V. System approach in assessment of programmed cell death (apoptosis) of human cells. Practical application. // Belarusian State University, Minsk, 2010.

14) Grinev V. V. Modelling and synthesis of short hairpin RNAs encoding expression cassettes. Practical application. // Belarusian State University, Minsk, 2008.

15) Grinev V. V. System approach in computer modelling of primers for polymerase chain reaction. Practical application. // Belarusian State University, Minsk, 2008.

Educational work.

Lectures, laboratories and examine in "Cell Biology".

Lectures, laboratories and examine in "Human Molecular Genetics".

Lectures, laboratories and examine in "Introduction into Gene Therapy".

Laboratories and examine in Special laboratory course "Technology of Polymerase Chain Reaction".

Language skills.

Belorussian (fluently).

Russian (fluently).

English (advanced).

French (basic).

Ukrainian (intermediate).