

Pavel Nikitin

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25 February 2001, Russian Federation

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Web of Science [↗](#) ABC-7843-2021

Scopus [↗](#) 57226295274

Google Scholar [↗](#)

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EDUCATION

Since 2019 **Specialist (combined BSc+MSc) in Bioengineering and Bioinformatics, Undergraduated**
Faculty of Bioengineering and Bioinformatics, Lomonosov Moscow State University

2018-2019 **Student**
The Advanced Educational Scientific Center (faculty) – Kolmogorov’s boarding school of Moscow State University

CURRENT OCCUPATIONS

Since 2022 **Scientific intern**
A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences, Ecological and Ethological Adaptations Sector, Laboratory of Comparative Ethology and Biocommunication, Moscow, Russia
Supervisor: *Candidate of Sciences* in Biology* Spangenberg V. E.

* Candidate of Sciences

According to the International Standard Classification of Education (ISCED) 2011, Candidate of Sciences belongs to ISCED level 8 - "doctoral or equivalent", together with PhD, DPhil, D.Lit, D.Sc, LL.D, Doctorate or similar. Candidate of Sciences allows its holders to reach the level of the Associate Professor.

Since 2020 **Scientific intern**
Faculty of Biology, Department of Higher Plants, Lomonosov Moscow State University
Supervisor: *Candidate of Sciences in Biology* Speranskaya A. S.

PAST OCCUPATIONS

2019 **Scientific intern**
School of Molecular and Theoretical Biology, Laboratory of Comparative and Functional Genomics, Barcelona, Spain
PI: *Doctor of Sciences* in Biology* Gelfand M. S.
Supervisor: Shaykhutdinov N.

* Doctor of Sciences

A post-doctoral degree called Doctor of Sciences is given to reflect second advanced research qualifications or higher doctorates in ISCED 2011.

2018- **Scientific intern**
2022 Vavilov Institute of General Genetics, Department of Genomics and Human Genetics, Laboratory of Cytogenetics, Moscow, Russia
Supervisor: *Candidate of Sciences in Biology* Spangenberg V. E.

PUBLICATIONS

- 2021 Gene Loss, Pseudogenization in Plastomes of Genus *Allium* (Amaryllidaceae), and Putative Selection for Adaptation to Environmental Conditions
Victoria A. Scobeyeva, Ilya V. Artyushin, Anastasiya A. Krinitsina, **Pavel A. Nikitin**, Maxim I. Antipin, Sergei V. Kuptsov, Maxim S. Belenikin, Denis O. Omelchenko, Maria D. Logacheva, Evgenii A. Konorov, Andrey E. Samoilov and Anna S. Speranskaya, *Frontiers in Genetics*
doi: 10.3389/fgene.2021.674783
- 2021 DNA Environment of Centromeres and Non-Homologous Chromosomes Interactions in Mouse
Victor Spangenberg, Mikhail Losev, Ilya Volkhin, Svetlana Smirnova, **Pavel Nikitin**, Oxana Kolomiets, *Cells*
doi: 10.3390/cells10123375
- 2022 Genome Analysis of Two Lichen Bacteriobionts, *Lichenibacterium ramalinae* and *Lichenibacterium minor*: Toxin–Antitoxin Systems and Secretion Proteins
T. A. Pankratov, **P. A. Nikitin**, E. O. Patutina, *Microbiology (Russia)*
doi: 10.1134/S0026261722020096

TEACHING EXPERIENCE

- 2021 **Lecturer**, Plant biology, Evolutionary theory
Preparation for the All-Russian Olympiad in biology winter school.
9-day online course of Science and Rock-n-Roll project
- 2021 **Lecturer**, Next Generation Sequencing data analysis
School of Bioinformatics
3-month online course of Science and Rock-n-Roll project
- 2022 **Lecturer**, Next Generation Sequencing data analysis
School of Bioinformatics
2-month online course of Science and Rock-n-Roll project
- 2022 **Lecturer**, Molecular phylogenetics
4-day course, Malaya Serdoba, Russia
- 2022- **Lecturer**, Bioinformatics
2023 Elective 1-year course for last year school-students, The Advanced Educational Scientific Center (faculty) – Kolmogorov’s boarding school of Moscow State University, Russia
- 2023 **Lecturer**, Bioinformatics
1-week course, The Advanced Educational Scientific Center (faculty) – Kolmogorov’s boarding school of Moscow State University, Russia

CONFERENCES

- 2019 Search for genomic rearrangements in *Polypedilum vandeplanki* cell line in experiment of desiccation-rehydration cycles
Daniil Vladimirov*, **Pavel Nikitin***, Nurislam Shaykhtudinov, Mikhail Gelfand
School of Theoretical and Molecular Biology, Barcelona, Spain, poster presentation
- 2019 Super-spread-cells method in prophase I meiosis and detailed research of mammalian (*Mus Musculus*) and reptilian (*Darevskia raddei*) chromosomes
Mikhail Losev*, **Pavel Nikitin***, Victor Spangenberg
Intel ISEF Qualifier, Baltic Scientific and Engineering Competition, Saint-Petersburg, Russia, poster presentation
- 2021 Selection Events in *Allium* (Amaryllidaceae) Plastomes
Pavel Nikitin, Anna Speranskaya
Plant Genetics, Genomics, Bioinformatics, and Biotechnology (PlantGen2021): The 6th International Scientific Conference, Novosibirsk, Russia, poster presentation
- 2022 Bioinformatic Analysis of Pericentromeric Repeats in Unisexual Lizards *Darevskia* of Hybrid Origin
Pavel Nikitin, Victor Spangenberg
29th International Scientific Conference for Undergraduate and Graduate Students and Young Scientists "Lomonosov", Moscow, Russia, poster presentation
- 2023 Comparative and Phylogenetic Analysis of the Complete Chloroplast Genomes of Nine *Peliosanthes* and *Aspidistra* Species (Asparagaceae)
Nikitin P.A., Krinitsina A.A., Nuraliev M.S., Vislobokov N.A.
7th International Scientific Conference "Plant Genetics, Genomics, Bioinformatics and Biotechnology" (PlantGen 2023), Kazan, Russia, oral presentation
- 2023 An Approach to Quantitative Analysis of Genome Repetitive Regions
Pavel Nikitin, Victor Spangenberg, Anastasia Zharikova, Sviatoslav Sidorov
Moscow Conference on Computational Molecular Biology (MCCMB), Moscow, Russia, poster presentation

* *equal contribution*

PARTICIPATION IN GRANTS

RSCF: 22-14-00227 <https://rscf.ru/project/22-14-00227/>

RSCF: 19-14-00055 <https://rscf.ru/project/22-14-35012/>

AWARDS

Grand Prize in Intel ISEF Qualifier, Baltic Scientific and Engineering Competition, Saint-Petersburg, 2019

FBB Alumni Prize, 2021

First Kaulen prize for best student scientific paper, 2022