

## PERSONAL INFORMATION

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**Sex** Female | **Date of birth** 1997-04-30 | **Citizenship** Russia

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## EDUCATION

July 2021 – August 2025	PhD in Biology – Norwegian University of Science and Technology, Trondheim, Norway
September 2019 – June 2021	Master of Science in Molecular Biology, Molecular Genetics and Biotechnology – Lund University, Lund, Sweden
September 2015 – July 2019	Bachelor of Science in Biotechnology Saint Petersburg State Institute of Technology (Technical University), Saint Petersburg, Russia

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## WORK EXPERIENCE

July 2021 – August 2025	PhD at the Department of Biology Functional Plant Biology Group, Norwegian University of Science and Technology, Trondheim, Norway <ul style="list-style-type: none"><li>• Industry/Sector: Plant Cell Wall, Molecular Biology, Plant Genetics</li></ul>
April 2020 – May 2021	Master's Thesis Student Mats Hansson's laboratory, Lund University, Lund, Sweden <ul style="list-style-type: none"><li>• Industry/Sector: Molecular Biology, Microbiology, Plant breeding, Genetics</li></ul>
September 2018 – June 2019	Bachelor's Thesis Student Saint Petersburg State Institute of Technology (Technical University), Saint Petersburg, Russia <ul style="list-style-type: none"><li>• Industry/Sector: Fungi Biotechnology, Protein production</li></ul>
July 2016 – December 2018	Lab Assistant Laboratory of Cellular Biotechnology, Saint Petersburg State Institute of Technology (Technical University), Saint Petersburg, Russia, cellbiotech.technolog.edu.ru <ul style="list-style-type: none"><li>• Industry/Sector: Biotechnology, Microbiology</li></ul>

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## RESEARCH INTERESTS

Plant Cell Wall, Plant breeding, Plant Genetics, Fungal Biology and Biotechnology, Protein Production.

## PREVIOUS SCHOLARSHIPS / AWARDS

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| 19 – 25 July 2022          | SPS Summer School 2022 «Plant cell walls in development, plant-microbe interactions and for the bioeconomy» for PhDs and PostDocs <ul style="list-style-type: none"><li>• Summer School in the INRAE, Universite Paris-Saclay, Versailles, France</li></ul>   |
| September 2020 – June 2021 | Lund University Global Scholarship for the Master's Programme in Molecular Biology <ul style="list-style-type: none"><li>• An academic excellence award targeting top students from all countries outside the EU/EEA, Lund University, Lund, Sweden</li></ul> |
| September 2015 – July 2019 | Scholarship based on Academic performance <ul style="list-style-type: none"><li>• Academic Scholarship for good or excellent academic performance, Saint Petersburg State Institute of Technology (Technical University), Saint Petersburg, Russia</li></ul>  |
| 1 – 16 July 2018           | Summer School in France Scholarship <ul style="list-style-type: none"><li>• Summer School in the University of Technology of Compègne, Compègne, France</li></ul>   |
| July 2017 – September 2017 | The Erasmus Programme <ul style="list-style-type: none"><li>• Student Exchange Programme, one semester in the University of Ruse, Ruse, Bulgaria</li></ul>  |
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## PUBLICATIONS / PRESENTATIONS AT CONFERENCES / POSTERS

SPS Summer School 2022 «Plant cell walls in development, plant-microbe interactions and for the bioeconomy» (2022). 'Characterization of the mode of action of the plant cell wall integrity maintenance mechanism', *poster*. INRAE, Universite Paris-Saclay, Versailles, France, 19-25 July.

Hansson M., Stuart D. and Ivanova A. (in progress). 'Xantha-m protein involved in chloroplast development in barley (*Hordeum vulgare* L.)'

Ivanova A. and Zablotzkaya S. (2019). 'Assembly of class I hydrophobins as agglomerates', *IX scientific and technical conference*. Saint Petersburg State Institute of Technology, Saint Petersburg, Russia, 1-3 April. P. 214.

Ivanova A. and Zablotzkaya S. (2019). 'Assembly of class II hydrophobins as agglomerates', *IX scientific and technical conference*. Saint Petersburg State Institute of Technology, Saint Petersburg, Russia, 1-3 April. P. 213.

Khrapatov N., Khludin A., Kolesnikov B., Shamtsyan M and Ivanova A. (2018). 'Preparation of hydrophobins from the fruit body of *Pleurotus Ostreatus* by extraction with formic acid', *57th Science Conference of Angel Kanchev*. University of Ruse, Ruse, Bulgaria, 25-26 October. P.39

Khrapatov N., Khludin A. and Ivanova A. (2018). 'Ways to increase the yield of hydrophobins during submerged cultivation', *Traditions and innovations conference*. Saint Petersburg State Institute of Technology, Saint Petersburg, Russia, 22-23 November. P.137.

Ivanova, A., Khludin, A., Khrapatov, N., Kolesnikov, B. and Shamtsyan M. (2018) 'Study of the dynamics of biomass and hydrophobin accumulation during deep cultivation of the *Trichoderma viride* mushroom', *SPBPU Science week*, Peter the Great St. Petersburg Polytechnic University, Saint Petersburg, Russia, 19-24 November. P.18-21.

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## TEACHING EXPERIENCE

Since the beginning of my PhD, I participated in teaching activities (duty work), course administration, topic sessions, seminars, and laboratory work for both Bachelor and Master students.

## LABORATORY AND FIELD WORK EXPERIENCE, SKILLS

Laboratory experience 2016 – today	Protein Production techniques, Protein purification and analysis (IMAC, various stability tests, etc.), PCR, qPCR, SDS-PAGE and Gel Electrophoresis, Western Blot, Southern blot, Primer Design and Sequence Analysis, Confocal and Light microscopy (including various staining procedures), Phenotyping and Genotyping of plant population (barley and <i>Arabidopsis thaliana</i> ), RNA, DNA extraction, Reverse transcription, Cloning, Agroinfiltration, Chlorophyll measurements, Transmission electron microscopy data analysis, Genetic Analysis, various Microbiology techniques, Titration techniques, Phylogenetics (basics), abiotic and biotic stress treatments, <i>Arabidopsis thaliana</i> root growth analysis, Mass spec data analysis (basics), cleaning and organizing work area, etc.
Field experience April 2020 – today	Barley and <i>Arabidopsis thaliana</i> planting, crossing and harvest in Greenhouse and GMO growth chambers.

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## SOFTWARE AND COMPUTING SKILLS

Proficient skills	Primer-BLAST, Primer 3 Software, Microsoft Office Suite (Excel, Word, PowerPoint, Outlook, Teams), Adobe Illustrator and Acrobat, Zoom
Good knowledge	IPK Barley BLAST Server, BioEdit software, Arabidopsis.org Server
Familiarity	Ensembl Plants Database, Photoshop and CorelDRAW, GINsim, Jupiter notebook

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## LANGUAGES

Russian	Native	Swedish	Beginner
Ukrainian	Native	Norwegian	Beginner
English	Advanced		

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## EXTRACURRICULAR ACTIVITY / OUTREACH / VOLONTEERING

September 2022 – now	Student ambassador from NTNU at a Norwegian graduate school for PhD students “Photosynthech” <ul style="list-style-type: none"><li>Organizing seminars and reaching out to the companies that work with plants, algae, or products of these</li></ul>
30 <sup>th</sup> of September 2022	Researcher participant in the European Researchers' Night in Trondheim, Norway <ul style="list-style-type: none"><li>Biological experiments demonstration for students (photosynthesis, DNA extraction, etc.)</li></ul>
March 2022 – July 2022	Self-organized online help for Ukrainian scientists in Norway <ul style="list-style-type: none"><li>Help with CV, work-related relocation from Ukraine to Norway</li></ul>
April 2022 – July 2022	Mentor at the non-profit organization “the pplan” <ul style="list-style-type: none"><li>Help with CV, work-related relocation from Ukraine to Scandinavia</li></ul>
July 2022 – August 2022	Coordinator at the non-profit organization “the pplan” <ul style="list-style-type: none"><li>Coordination between Ukrainian citizens and mentors around the world</li></ul>