Oleksandra Romanyshyn
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Education:

2017-2022	Ph.D. Candidate, Department of Biomedical Engineering, Stony Brook University, NY -Dissertation Advisor: Prof. Gábor Balázsi, Ph.D., Dept. of Biomedical Engineering, Stony Brook University, NY -Graduate GPA: 3.78
2017-2019	Master of Science (M.S.), Department of Biomedical Engineering, Stony Brook University, NY
2016-2017	Master of Science (not completed), Department of Biochemistry, Ivan Franko National University of Lviv, Ukraine -Thesis advisor: Prof. Olena Stasyk, Ph.D., Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine
2012-2016	Bachelor of Science (B.S.), Department of Biochemistry, Ivan Franko National University of Lviv, Ukraine -Thesis advisor: Prof. Olena Stasyk, Ph.D., Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine -Research advisor: Prof. Olena Stasyk, Ph.D., Dept. of Cell Signaling, Institute of Cell Biology, National Academy of Science, Lviv, Ukraine -Bachelor's Thesis: "The development of a model of human alpha-synuclein degradation in *Hansenula polymorpha* model yeast strains" -Undergraduate GPA: 3.65

Research Experience:

2018 (Summer) - Present	Research Assistant at Prof. Gábor Balázsi Lab for Synthetic Evolutionary Dynamics, Stony Brook University, NY; Graduate Student at Laufer Center for Physical and Quantitative Biology
2018 (Spring)	Rotation Student at Prof. Eric Brouzes Lab for Microfluidics and Quantitative Genomics, Stony Brook University, NY
2017 (Fall)	Rotation Student at Prof. Gábor Balázsi Lab for Synthetic Evolutionary Dynamics, Stony Brook University, NY
2014-2017	Research Assistant at Prof. Olena Stasyk Lab for Yeast Molecular Biology and Biotechnology, Dept. of Cell Signaling, Institute of Cell Biology, National Academy of Science of Ukraine, Lviv, Ukraine

2012-2014	Intern at the Teaching Labs, Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine

Teaching Experience:

2020 (Spring) - Present	K5 STEM Education curriculum developer (Chemistry, Engineering, Human Biology, Space Science camps) Club Lab Rascals https://www.clublabrascals.com/
2020, April 15th	Workshop Leader at the Faculty of Biology, Ivan Franko National University of Lviv, Ukraine -topic: "How to Plan Laboratory Experiments"
2019 (Fall) - Present	WISE Guides Individual College Mentorship Program, Mentor. Stony Brook University, NY
2019, August 21st	Teaching Assistantship Orientation Mentor, Dept. of Biomedical Engineering, Stony Brook University, NY
2018 (Fall) - Present	High School Women in Science and Engineering (WISE) Honors Program Mentor, Stony Brook University, NY
2018 (Spring)	Keynote Speaker at 79th Students and Young Scientists Conference with International Participation at Danylo Halytsky Lviv National Medical University (LNMU), Lviv, Ukraine -topic: "From Watson and Crick to MRI: What do Ukrainian students do on their motherland"
2018 (Spring)	Teaching Assistant, BME 304 (Genetic Engineering), Dept. of Biomedical Engineering, Stony Brook University, NY Instructor: Mei Lin Chan, Ph.D.
2017 (Fall)	Teaching Assistant, BME 100 (Introduction to Biomedical Engineering), Dept. of Biomedical Engineering, Stony Brook University, NY Instructor: Mei Lin Chan, Ph.D.
2016-2017	TOEFL/GRE Personal Tutor
2016-2017	Students' Scientific Society Speaker
2016	Head of Students' Scientific Society, Faculty of Biology, Ivan Franko National University of Lviv, Ukraine
2015-2016 (Winter)	Intern Teacher at Lviv Academic Gymnasium at the National University "Lviv Polytechnic" Classes: Biology, Ecology, Chemistry (6th, 8th, 9th, 10th, 11th grades) Teaching advisor: Mariia Sabadashka, Ph.D., Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine
2015	Keynote Speaker at TEDx-like young scientists' and fans'-of-science initiative "15x4 – Share Your Knowledge!" (https://15x4.org/) -topic: "15 minutes about heterologous gene expression"
2015	Creative designer and organizer at the Skype-conference "Academic writing: DOs, DON'Ts and HOW TOs" by Marta Overchuk, PhD Candidate, University of Toronto, Toronto, Ontario, Canada

Publications, conference abstracts, invited talks, posters:

2020 (Winter)	O. Romanyshyn, G. Balázsi. Quantitative characterization of drug resistance due to multicellularity. ASCB | EMBO (American Society for Cell Biology | European Molecular Biology Organization) CellBio Virtual Meeting 2020, section Fungi.
2020 (Summer)	Invited Lab Meeting Talk. Multicellularity and Drug Resistance in Yeast. Joshua Rest Lab, Department of Ecology and Evolution, Stony Brook University.
2020 (Spring)	O. Romanyshyn, G. Balázsi. Multiscale Synthetic Control of Multicellularity and Drug Resistance. American Physics Society (APS) Virtual March Meeting 2020, section DBIO 026. -online presentation
2019	Laufer Center, Stony Brook University – Icahn School of Medicine, Mount Sinai Academic Affiliation Workshop. O. Romanyshyn, M. Wu, G. Balázsi. "Synthetic control of mitotic exit for studying multicellular drug resistance in yeast". -poster presentation
2017	International Scientific Conference for Students and PhD Students "Youth and Progress of Biology", Ivan Franko National University of Lviv, Ukraine -2nd prize for best oral report
2016	International Scientific Conference for Students and PhD Students "Youth and Progress of Biology", Ivan Franko National University of Lviv, Ukraine -1st prize for best oral report
2016	O.G. Stasyk, I.O. Denega, O.R. Romanyshyn, N.I. Klymyshyn, O.V. Stasyk. Influence of different concentrations of extracellular glucose on cytotoxicity of human a-synuclein in model strains of the yeast *Hansenula polymorpha*. Visnyk of the Lviv University. Series Biology. 2016. Issue 73. P. 85-95. ISSN 0206-5657.
2015	International Scientific Conference for Students and PhD Students "Youth and Progress of Biology", Ivan Franko National University of Lviv, Ukraine -3rd prize for best oral report
2015	N.O. Sybirna, I.O. Denega, O.R. Romanyshyn, O.G. Stasyk, O.V. Stasyk. Modeling the process of human alpha-synuclein degradation in the cells of the thermotolerant yeast *Hansenula polymorpha*. YEAST, 32. P. 188-189
2015	Conference for Young Scientists, Kyiv, Ukraine -2nd prize for best oral report

Volunteering

2020	"Chornobryvtsi" Stipend https://chornobryvtsi.org/, an annual private fund awarded to the junior researchers and students in biology-related fields to support their scientific project development, domestic and international training, and participation in research experience exchange (founder).

Languages: English, Ukrainian, Russian (fluent and bilingual), German, Polish (beginner).