

Oleksandra Romanyshyn

Laufer Center for Physical and Quantitative Biology

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Education:

- 2017-2022 PhD Program, Department of Biomedical Engineering, Stony Brook University, NY
-Dissertation advisor: Dr. Gábor Balázs, Ph.D., Dept. of Biomedical Engineering, Stony Brook University, NY
-Graduate GPA: 3.60
- 2016-2017 MS (not completed), Department of Biochemistry, Ivan Franko National University of Lviv, Ukraine
-Thesis advisor: Dr. Olena Stasyk, Ph.D., Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine
- 2012-2016 BS Program, Department of Biochemistry, Ivan Franko National University of Lviv, Ukraine
-Thesis advisor: Dr. Olena Stasyk, Ph.D., Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine
-Research advisor: Dr. 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 Dr. Gábor Balázs Lab for Synthetic Evolutionary Dynamics, Stony Brook University, NY;
Graduate Student at Laufer Center for Physical and Quantitative Biology
- 2018 (Spring) Rotation at Dr. Eric Brouzes Lab for Microfluidics and Quantitative Genomics, Stony Brook University, NY
- 2017 (Fall) Rotation at Dr. Gábor Balázs Lab for Synthetic Evolutionary Dynamics, Stony Brook University, NY
- 2014-2017 Research Assistant at Dr. 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 Teaching Lab, Dept. of Biochemistry, Ivan Franko National University of Lviv, Ukraine

Teaching Experience:

- 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, Ukraine
Lecture 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 Lecturer
- 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 Dr. Marta Overchuk, PhD, University of Toronto, Toronto, Ontario, Canada

Publications, conference abstracts, posters:

- 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 α -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