





# Lilit Gnel Grigoryan

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**Research Institute of Biology**  
Laboratory of Microbiology, Bioenergetics and Biotechnology  
Junior Researcher

## Education

|                    |   |
|--------------------|---|
| <b>Institution</b> | Yerevan State University  |
| <b>Faculty</b>     | Department of Biochemistry, Microbiology and Biotechnology of Faculty of Biology, YSU |
| <b>Date</b>        | 2025 - 2025   |
| <b>Degree name</b> | PhD student   |

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|--------------------|---|
| <b>Institution</b> | Yerevan State University  |
| <b>Faculty</b>     | Department of Biochemistry, Microbiology and Biotechnology of Faculty of Biology, YSU |
| <b>Date</b>        | 2023 - 2025   |
| <b>Degree name</b> | Masters   |

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|--------------------|---|
| <b>Institution</b> | Yerevan State University  |
| <b>Faculty</b>     | Department of Biochemistry, Microbiology and Biotechnology of Faculty of Biology, YSU |
| <b>Date</b>        | 2019 - 2023   |
| <b>Degree name</b> | Bachelor  |

## Language skills

Հայերեն Русский English

## Work experience

|                       |   |
|-----------------------|---|
| <b>Institution</b>    | Laboratory of Microbiology, Bioenergetics and Biotechnology of YSU Research Institute of Biology  |
| <b>Period of time</b> | 2023 till now   |
| <b>Rank/degree</b>    | Researcher at 23LCG-1F003 “The role of global regulators and transcriptional activators in the regulation of metabolic and bioenergetic parameters of microorganisms under conditions of fermentation and respiration” research grant |

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| <b>Institution</b>    | Laboratory of Microbiology, Bioenergetics and Biotechnology of YSU Research Institute of Biology |
| <b>Period of time</b> | 2023 till now  |



## Scientific interests

- microbiology
- biotechnology
- bioenergetics



## Participation in international conferences and seminars

**24/09/2025 - 26/09/2025** Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals  
Yerevan State University  
Armenia

**14/07/2025 - 17/07/2025** FEMS MICRO Milan 2025  
Italy

**26/08/2024 - 31/08/2024** 22nd European Bioenergetics Conference  
University of Innsbruck  
Austria



## Publications

### Article

**Escherichia coli FocA/B-dependent H<sup>+</sup> and K<sup>+</sup> fluxes: Influence of exogenous versus endogenous formate**

Lilit Grigoryan, Anush Babayan, Anait Vassilian, Anna Poladyan, Gary Sawers, Karen Trchounian

Biophysical Reports 2025 100225

### Conference

**The role of the CRP global regulator in proton flux of Escherichia coli under different glucose concentrations**

Liana Vanyan, Lilit Grigoryan, Karen Trchounian