

# Lilit Gnel Grigoryan

## Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology  
Junior Researcher

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## Education

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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>	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

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## Language skills

Հայերեն Русский English

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## Work experience

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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
<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

Rank/degree

Senior laboratory assistant

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## Scientific interests

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- microbiology
  - biotechnology
  - bioenergetics
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## Participation in international conferences and seminars

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

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

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

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## Publications

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*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

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*Conference*

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

Liana Vanyan, Lilit Grigoryan, Karen Trchounian

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