

# 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

<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

<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 Russian 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

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

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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**

**24/09/2025 -** Biological Sciences and Environmental Solutions for the Achievement of Sustainable

**26/09/2025** Development Goals  
Yerevan State University  
Armenia

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

**17/07/2025** Italy

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**26/08/2024 -** 22nd European Bioenergetics Conference

**31/08/2024** University of Innsbruck  
Austria

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## **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

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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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