

# Tamara Eduard Abaghyan

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## Research Institute of Biology

Laboratory of Microbiology, Bioenergetics and Biotechnology

Junior Researcher

## Education

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

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| <b>Institution</b> | Yerevan State University   |
| <b>Faculty</b>     | Faculty of Biology, Department of Biochemistry, Microbiology and Biotechnology |
| <b>Date</b>        | 2021 - 2023  |
| <b>Degree name</b> | Masters  |

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|--------------------|--|
| <b>Institution</b> | Yerevan State University   |
| <b>Faculty</b>     | Faculty of Biology, Department of Biochemistry, Microbiology and Biotechnology |
| <b>Date</b>        | 2017 - 2021  |
| <b>Degree name</b> | Bachelor   |

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## Language skills

Հայերեն English Русский

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## Publications

*Article*

**Propionic and valproic acids have an impact on bacteria viability, proton flux and ATPase activity**

Heghine Gevorgyan, Tamara Abaghyan, Margarita Mirumyan, Konstantin Yenkovyan, Karen Trchounian

Journal of Bioenergetics and Biomembranes 2023 397-408

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*Conference*

**The penetration of PPA is mediated with H<sup>+</sup> efflux in Gram-negative and Grampositive bacteria**

Tamara Abaghyan, Heghine Gevorgyan, Margatita Mirumyan, Konstantin Yenkovyan, Karen Trchounian

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*Conference*

**Exploring the role of propionic acid: link between gut microbiome and neurodevelopmental disorders**

T. Abaghyan, H. Gevorgyan, M. Mirumyan, K. Yenkovyan, K. Trchounian

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*Conference*

**The regulation of ATPase activity by K<sup>+</sup> ions in gut isolated E. coli strains and its role in propionic acid sensing**

Tamara E. Abaghyan, Heghine Gevorgyan, Margarita Mirumyan, Konstantin Yenkovyan, Karen Trchounian

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*Conference*

**Proton and Potassium Flux Alterations in the Presence of Propionic Acid in Gut-Isolated Escherichia coli**

H. Gevorgyan, T. Abaghyan, K. Yenkovyan, K. Trchounian

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*Conference*

**Impact of short-chain fatty acids on the anaerobic growth of Escherichia coli K12 and Enterococcus hirae ATCC9790**

Tamara Abaghyan, Heghine Gevorgyan, Karen Trchounian

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*Conference*

**The Impact of Different Concentrations of Formate and Lactate on Escherichia coli Growth Properties and H<sub>2</sub> Production**

Tamara Abaghyan, Heghine Gevorgyan, Karen Trchounian

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