

# Lily Avetis Kalashian

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**Research Institute of Biology**  
Genomic Instability and Molecular Mutagenesis Group  
Junior Researcher

## Education

|             |                          |
|-------------|--------------------------|
| Institution | Yerevan State University |
| Faculty     | Faculty of Biology       |
| Date        | 2022 - 2024              |
| Degree name | Masters                  |

## Language skills

Հայերեն Русский English

## Work experience

|                |                                                                                       |
|----------------|---------------------------------------------------------------------------------------|
| Institution    | Research Institute of Biology, Group of genomic instability and molecular mutagenesis |
| Period of time | 2025 till now                                                                         |
| Rank/degree    | Junior researcher                                                                     |

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|----------------|-------------------------------|
| Institution    | Research Institute of Biology |
| Period of time | 2023 - 2024                   |
| Rank/degree    | laboratory assistant          |

## Publications

Article  
**Changes in Telomere Length in Leukocytes and Leukemic Cells after Ultrashort Electron Beam Radiation**  
Tigran Harutyunyan, Anzhela Sargsyan, Lily Kalashyan, Hovhannes Igityan, Bagrat Grigoryan, Hakob Davtyan, Rouben Aroutiounian, Thomas Liehr, Galina Hovhannisyan  
International Journal of Molecular Sciences 2024 6709

Article  
**CELL-FREE MITOCHONDRIAL DNA IN DOXORUBICIN-TREATED KCL22 AND K562 CELL LINES**  
Tigran A. Harutyunyan, Anzhela A. Sargsyan, Lily A. Kalashyan, Hovhannes A. Igityan, Rouben M. Aroutiounian, Galina G. Hovhannisyan  
Proceedings of the YSU B: Chemical and Biological Sciences 2024 9-16

*Article*

**DNA Damage in Moderate and Severe COVID-19 Cases: Relation to Demographic, Clinical, and Laboratory Parameters**

Tigran Harutyunyan, Anzhela Sargsyan, Lily Kalashyan, Naira Stepanyan, Rouben Aroutiounian, Thomas Liehr, Galina Hovhannisyan

International Journal of Molecular Sciences 2024 10293

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*Conference*

**Telomere Lengths of Human Chromosomes as Potential Biomarkers of Genomic Instability Induced by Electron Beam Radiation**

L.A. Kalashyan, A.A. Sargsyan, B.A. Grigoryan, H.D. Davtyan, R.M. Aroutiounian, T. Liehr, G.G. Hovhannisyan, T.A. Harutyunyan

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