

# Agapi Gevorg Hovhannisyan

## Research Institute of Biology

Group on Biochemistry of Drug Effects

Researcher

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## Education

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<b>Institution</b>	Yerevan state university
<b>Faculty</b>	Faculty of Biology, department of biophysics
<b>Date</b>	2004 - 2006
<b>Degree name</b>	Masters

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<b>Institution</b>	Yerevan state university
<b>Faculty</b>	Faculty of Biology, department of biophysics
<b>Date</b>	2000 - 2004
<b>Degree name</b>	Bachelor

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<b>Institution</b>	Yerevan G. Master's name medical college
<b>Faculty</b>	Department of Obstetrics
<b>Date</b>	1996 - 1999
<b>Degree name</b>	Qualified specialist

## Scientific Rank/degree

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<b>Institution</b>	Yerevan state university
<b>Date</b>	2015
<b>Degree name</b>	Candidate
<b>Specialty</b>	Biological sciences
<b>Scientific Supervisor</b>	Emil Sosevich Gevorgyan
<b>Research Topic</b>	Changes in the lipid composition of the nuclear structures of liver and thymus cells of rats under in vivo effects of cisplatin

## Language skills

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Հայերեն Русский English

## Work experience

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<b>Institution</b>	Yerevan State University, faculty of biology
<b>Period of time</b>	2010 till now

Rank/degree

researcher

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## Scientific interests

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- Molecular Biology
  - Biophysics
  - Biochemistry
  - Biochemistry, Cancer Research, Molecular Biology
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## Participation in international conferences and seminars

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<b>16/10/2025 - 18/10/2025</b>	International Summit in Immuno-Oncology Armenia
<b>24/09/2025 - 26/09/2025</b>	Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals Armenia
<b>29/06/2024 - 03/07/2024</b>	48th FEBS Congress "Mining biochemistry for human health and well-being" Italy
<b>19/06/2023 - 23/06/2023</b>	27th Wilhelm Bernhard Workshop on the Cell Nucleus Czech Republic (the)
<b>29/06/2022 - 01/07/2022</b>	8th European Workshop on Lipid Mediators (8EWLM) Sweden
<b>01/09/2019 - 06/09/2019</b>	2nd FEBS Advanced Lecture Course on Oncometabolism. From Conceptual Knowledge to Clinical Applications Portugal
<b>11/06/2019 - 15/06/2019</b>	Albany 2019: The 20th Conversation. Journal of Biomolecular Structure and Dynamics United States of America (the)
<b>27/09/2016 - 30/09/2016</b>	6th EUROPEAN WORKSHOP ON LIPID MEDIATORS Germany
<b>18/09/2019 - 21/09/2019</b>	14th Euro Fed Lipid Congress Belgium
<b>12/04/2016 - 22/04/2016</b>	Collection of abstracts of the 20th international school-conference of young scientists "Biology-science of the XXI century" Russian Federation (the)

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<b>01/09/2015 - 04/09/2015</b>	A joint Biochemical Society/FEBS Focused Meeting. Signalling 2015: Cellular Functions of Phosphoinositides and Inositol Phosphates. United Kingdom of Great Britain and Northern Ireland (the)
<b>21/09/2013 - 24/09/2013</b>	The 5-th EMBO meeting advancing, the life sciences Netherlands (the)
<b>16/04/2012 - 21/04/2012</b>	Collection of abstracts of the 16th international school-conference of young scientists "Biology-science of the XXI century" Russian Federation (the)
<b>23/08/2011 - 27/08/2011</b>	Eur. Biophys.J. 8th EBSA European Biophysics Congress Hungary
<b>18/04/2011 - 22/04/2011</b>	Collection of abstracts of the 15th international school-conference of young scientists "Biology-science of the XXI century" Russian Federation (the)
<b>20/02/2011 - 26/02/2011</b>	FEBS advanced lecture course. Trends in genetics: genomic instability and pathways of response Armenia
<b>04/09/2010 - 07/09/2010</b>	EMBO conference 2010 Spain
<b>19/04/2010 - 23/04/2010</b>	Collection of abstracts of the 14th international school-conference of young scientists "Biology-science of the XXI century" Russian Federation (the)
<b>17/03/2010 - 19/03/2010</b>	Cellular oncology. The official journal of the international society for cellular oncology Germany
<b>15/10/2009 - 17/10/2009</b>	Biotechnology and health-3 Armenia
<b>28/09/2009 - 02/10/2009</b>	Collection of abstracts of the 13th international school-conference of young scientists "Biology-science of the XXI-st century" Russian Federation (the)
<b>16/06/2009 - 20/06/2009</b>	Albany 2009 conference United States of America (the)
<b>04/07/2009 - 09/07/2009</b>	FEBS conference 2009 Czech Republic (the)

**02/03/2009 -** International Students Conference On Life Science  
**04/03/2009** Armenia

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**10/11/2008 -** Collection of abstracts of the 12th international school-conference of young  
**14/11/2008** scientists "Biology-science of the XXI-st century"  
Russian Federation (the)

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## Publications

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*Article*

**Lipid peroxidation level and histological changes in rat liver after the cisplatin and dexamethasone separate and combined action**

Zhenya Yavroyan, Nune Hakobyan, Agapi Hovhannisyan, Anna Grigoryan, Anna Karapetyan, Tamara Abgaryan, Emil Gevorgyan

Indian Journal of Biochemistry & Biophysics 2025 480-489

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*Article*

**CISPLATIN AND DEXAMETHASONE SEPARATE AND COMBINED ACTION ON LIPID PEROXIDATION IN NUCLEAR FRACTIONS OF RAT BRAIN AND KIDNEY CELLS**

Yavroyan Zh.V., Hakobyan N.R., Hovhannisyan A.G., Gevorgyan E.S.

New Armenian Medical journal 2024 55-66

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*Article*

**Cisplatin and dexamethasone separate and combined effect on nephrotoxic processes in female rats.**

Zhenya Yavroyan, Anna Grigoryan, Nune Hakobyan, Agapi Hovhannisyan, Tamara Abgaryan, Anna Karapetyan, Emil Gevorgyan

Ukrainian Journal of Nephrology and Dialysis 2024 64-74

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*Article*

**Effect of cisplatin on lipid peroxidation in the whole blood and plasma of female rats**

Yavroyan Zh.V., Hovhannisyan A.G., Hakobyan N.R., Gevorgyan E.S.

EUROPEAN PHARMACEUTICAL JOURNAL 2024 34-41

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*Article*

**CISPLATIN AND PROGESTERONE SEPARATE AND JOINT ACTION ON RAT THYMUS NUCLEAR PHOSPHOLIPIDS COMPOSITION AND CONTENT**

A.G.Hovhannisyan, N.R.Hakobyan, Zh.V.Yavroyan, E.S.Gevorgyan

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 133-140

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*Article*

**Cisplatin and progesterone separate and combined action on rat brain nuclear phospholipids content**

N.R. Hakobyan, ZH.V. Yavroyan, A.G.Hovhannisyan, E.S.Gevorgyan

Prostaglandins and Other Lipid Mediators 2023 106750

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*Article*

**CHANGES IN MALONDIALDEHYDE LEVELS IN FEMALE RATS BRAIN, KIDNEY AND LIVER CELLS**

**AFTER THE SEPARATE AND JOINT ACTION OF CISPLATIN AND STEROIDS.**

ZH.V. YAVROYAN, A.G. HOVHANNISYAN,, N.R.HAKOBYAN, E.S.GEVORGYAN

Հայաստանի կենսաբանական հանդես 2021 17-25

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*Article*

**CISPLATIN AND STEROIDS SEPARATE AND JOINT ACTION ON ANTIOXIDANT ENZYMES ACTIVITY IN BRAIN TISSUE OF FEMALE RATS**

ZH.V. YAVROYAN, A.G. HOVHANNISYAN, N.R. HAKOBYAN, E.G. SARGSYAN, E.S. GEVORGYAN

Հայաստանի կենսաբանական հանդես 2021 91-97

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*Article*

**ALTERATIONS OF RAT BRAIN CHROMATIN PHOSPHOLIPIDS CONTENT UNDER THE SEPARATE AND JOINT ACTION OF CISPLATIN AND ESTRADIOL**

ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, E.G. SARGSYAN, E.S.GEVORGYAN

Հայաստանի կենսաբանական հանդես 2020 16-23

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*Article*

**CISPLATIN AND ESTRADIOL SEPARATE AND JOINT ACTION ON PHOSPHOLIPIDS CONTENT OF CHROMATIN PREPARATION FROM RAT KIDNEY CELLS**

N.R. HAKOBYAN,, ZH.V. YAVROYAN,, A.G. HOVHANNISYAN, E.G. SARGSYAN, E.S.GEVORGYAN

Հայաստանի կենսաբանական հանդես 2020 18-24

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*Article*

**CISPLATIN AND ESTRADIOL SEPARATE AND JOINT IN VIVO ACTION ON RAT LIVER NUCLEAR PHOSPHOLIPIDS CONTENT**

ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, G.A. AVAGYAN, E.G. SARGSYAN,

E.S. GEVORGYAN

Biological Journal of Armenia 2019 39-44

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*Article*

**CISPLATIN AND ESTRADIOL SEPARATE AND JOINT ACTION ON CATALASE ACTIVITY IN LIVER AND KIDNEY TISSUES OF RATS**

Yavroyan Zhenya Vaghinak, Hovhannisyanyan Agapi Gevorg, Hakobyan Nune Romen, Gevorgyan Emil Sos

Евразийский Союз Учёных 2019 12-16

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*Article*

**CISPLATIN AND ESTRADIOL JOINT ACTION ON PHOSPHOLIPID COMPOSITION OF NUCLEAR FRACTION FROM FEMALE RAT BRAIN CELLS**

E.S. GEVORGYAN, Zh.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, E.G. SARGSYAN

Հայաստանի կենսաբանական հանդես 2019 67-72

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*Article*

**IN VIVO ACTION OF CISPLATIN ON LIPID CONTENT IN NUCLEAR MEMBRANES FROM RAT BRAIN CELLS**

E.S. GEVORGYAN, ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, E.G. SARGSYAN

Հայաստանի կենսաբանական հանդես 2018 16-21

<http://www.flib.sci.am/eng/Biology/>

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*Article*

**ALTERATIONS OF LIPID CONTENT IN RAT KIDNEY NUCLEAR MEMBRANE PREPARATIONS AFTER**

## **THE IN VIVO ACTION OF CISPLATIN**

Gevorgyan E.S., Yavroyan Zh.V., Hakobyan N.R., Hovhannisyan A.G.

Electronic Journal of Natural Sciences of NAS RA 2018 8-11

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### *Article*

#### **CISPLATIN IN VIVO ACTION ON LIPID CONTENT IN NUCLEAR MATRIX FROM RAT BRAIN CELLS**

E.S. GEVORGYAN, ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, E.G. SARGSYAN

Հայաստանի կենսաբանական հանդես 2018 33-37

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### *Article*

#### **CISPLATIN IN VIVO INFLUENCE ON LIPID CONTENT OF CHROMATIN ON RAT BRAIN CELLS**

E.S.GEVORGYAN, Zh.V.YAVROYAN, N.R.HAKOBYAN, A.G.HOVHANNISYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2017 21-26

<http://www.y-su.am/science/hy/journals>

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### *Article*

#### **CISPLATIN IN VIVO ACTION ON LIPID CONTENT IN NUCLEAR MATRIX FROM RAT KIDNEY CELLS**

E.S. GEVORGYAN, ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G.HOVHANNISYAN, E.G. SARGSYAN

Biological Journal of Armenia 2017 6-11

<http://www.sci.am>

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### *Article*

#### **CHANGES IN SPHINGOMYELIN AND PHOSPHATIDYLCHOLINE CONTENT IN RAT LIVER NUCLEAR STRUCTURES DURING THE IN VIVO ACTION OF CISPLATIN**

E.S. GEVORGYAN, ZH.V. YAVROYAN, N.R. HAKOBYAN, A.G. HOVHANNISYAN, E.G. SARGSYAN

Հայաստանի կենսաբանական հանդես 2016 16-19

<http://www.flib.sci.am/eng/Biology/>

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### *Article*

#### **Cisplatin in vivo action on lipid content in chromatin from rat kidney cells**

GEVORGYAN E. S., YAVROYAN Zh. V., HOVHANNISYAN A. G., HAKOBYAN N. R., SARGSYAN E. G.

Հայաստանի կենսաբանական հանդես 2016 12-18

<http://www.flib.sci.am/eng/Biology/>

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### *Article*

#### **CHANGES IN POLYPHOSPHOINOSITIDES CONTENT IN NUCLEAR MEMBRANES OF RAT LIVER AND THYMUS CELLS UNDER THE ACTION OF CISPLATIN**

E. S. GEVORGYAN, ZH. V. YAVROYAN, N. R. HAKOBYAN, A. G. HOVHANNISYAN

Հայաստանի կենսաբանական հանդես 2014 pp.46-51

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### *Article*

#### **Сдвиги в содержании фосфолипидов ядер клеток тимуса крыс после воздействия цисплатина**

А.Г. Оганесян

Հայաստանի կենսաբանական հանդես 2013 42

<http://www.flib.sci.am/eng/Biology/>

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### *Article*

#### **In vivo action of cisplatin on content of neutral lipids in rat liver and thymus nuclear matrix.**

E.S. GEVORGYAN, A.G. HOVHANISYAN, ZH. V. YAVROYAN, N.R. HAKOBYAN,, G.B. GHUKASYAN

*Article*

**Cisplatin in vivo action on content of neutral lipids in rat liver and thymus nuclear membranes.**

E.S. GEVORGYAN, A.G. HOVHANISYAN, Zh.V. YAVROYAN, N.R. HAKOBYAN, E.G. SARGSYAN

Հայաստանի կենսաբանական հանդես 2013 pp.99-103

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*Article*

**Content of neutral lipids in rat liver and thymus chromatin under the in vivo action of cisplatin.**

Gevorgyan E.S., Yavroyan Zh.V., Hovhanisyan A.G., Hakobyan N.R.

Հայաստանի կենսաբանական հանդես 2012 pp.97-101

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*Article*

**CISPLATIN ACTION ON PHOSPHOLIPID COMPOSITION IN NUCLEAR FRACTION OF RAT LIVER CELLS**

E.S. GEVORGYAN, Zh.V.YAVROYAN, N.R.HAKOBYAN, A.G. HOVHANNISYAN

Հայաստանի կենսաբանական հանդես 2009 pp.20-24

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*Conference*

**Cisplatin action on polyphosphoinositides content in rat liver and thymus nuclear membranes.**

N. Hakobyan, A. Hovhannisyan, Zh. Yavroyan, E. Gevorgyan

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*Conference*

**ЧУВСТВИТЕЛЬНОСТЬ ОТДЕЛЬНЫХ ФРАКЦИЙ ФОСФОЛИПИДОВ ХРОМАТИНА К ЛЕТОК МОЗГА КРЫС К IN VIVO ВОЗДЕЙСТВИЮ ЦИСПЛАТИНА**

Акопян Н.Р., Явроян Ж.В., Оганесян А.Г., Саркисян Э.Г., Геворкян Э.С.

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*Conference*

**Effect of Cisplatin on Rat Liver Nuclear Membrane Phospholipids as Integral Participants in Signal Transduction**

Hakobyan N., Hovhannisyan A. M., Yavroyan Zh., Gevorgyan E.

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*Conference*

**ALTERATION IN CONTENT OF RAT BRAIN CHROMATIN NEUTRAL LIPIDS UNDER THE ACTION OF CISPLATIN**

HAKOBYAN N.R., HOVHANNISYAN A.G., YAVROYAN Zh. V., GEVORGYAN E.S.

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*Conference*

**Cisplatin and Estradiol Joint Action on Quantities of Rat Brain Chromatin Phospholipids**

Nune Hakobyan, Zhenya Yavroyan, Agapi G. Hovhannisyan, Emil S. Gevorgyan

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*Conference*

**Antioxidant Enzyme Catalase Activity of Rat Kidney Cells Nuclear Fraction After the Cisplatin and Estradiol Separate and Joint Action.**

Zhenya V.Yavroyan, Nune R. Hakobyan, Agapi G. Hovhannisyan, Emil S. Gevorgyan

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*Conference*

**Cisplatin and estradiol separate and joint action on female**

Hakobyan NR, Yavroyan ZhV, Hovhannisyan AG, Gevorgyan ES

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*Conference*

**ESTRADIOL AND CISPLATIN JOINT ACTION ON FEMALE RAT BRAIN NUCLEAR PHOSPHOLIPIDS CONTENT**

HAKOBYAN N.R., Yavroyan Zh.V., Hovhannisyan A.G., Gevorgyan E.S.

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*Conference*

**The sensitivity of cholin inclusive phospholipids of rat brain cells nuclear to progesterone in vivo action.**

Hakobyan N., Hovhannisyan A., Yavroyan Z., Gevorgyan E.

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*Conference*

**Alterations of rat brain nuclear phospholipids content under the combined action of cisplatin and progesterone**

N. Hakobyan, Z. Yavroyan, A. Hovhannisyan, E. Gevorgyan

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*Conference*

**Alteration in Sphingomyelin: Phosphatidylcholin Ratio in Rat Liver Cells Nuclear Preparations After the Cisplatin and Estradiol Separate and Combined Exposure**

Nune Hakobyan, Zhenya Yavroyan, Agapi Hovhannisyan, Anush Asatryan, Emil Gevorgyan

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*Conference*

**LIPID PEROXIDATION IN NUCLEAR FRACTION OF RAT THYMUS CELLS AFTER THE SEPARATE AND COMBINED TREATMENT WITH CISPLATIN AND DEXAMETHASONE**

Hovhannisyan A.G, Gevorgyan E.S, Yavroyan Zh.V, Asatryan A.L, Hakobyan N.R.

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