

# Nune Romen Hakobyan

## Research Institute of Biology

Interfaculty Laboratory of Structural Biophysics

Researcher

☎ 37455034336  
45-24  
(060) 71-05-24

✉ nhakobyan@ysu.am

## Education

---

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology/Biophysics
<b>Date</b>	1991 - 1994
<b>Degree name</b>	PhD student

---

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology/Biophysics
<b>Date</b>	1987 - 1991
<b>Degree name</b>	Qualified specialist

## Scientific Rank/degree

---

<b>Institution</b>	Yerevan State University
<b>Date</b>	1998
<b>Degree name</b>	Candidate
<b>Specialty</b>	Biological sciences
<b>Scientific Supervisor</b>	Gevorgyan Emil
<b>Research Topic</b>	“Estradiol Action on Composition of Brain Subcellular Structures Posphoinositides.”

## Language skills

---

Русский English

## Work experience

---

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	1994 till now
<b>Rank/degree</b>	Researcher

## Scientific interests

- Molecular Biology
- Biophysics

- Biochemistry
- Genetics

---

## Participation in international conferences and seminars

---

<b>23/06/2023</b>	27th Wilhelm Bernhard Workshop on the Cell Nucleus Czech Republic (the)
<b>03/11/2003 - 05/11/2003</b>	194th Meeting of the Society for Endocrinology, United Kingdom of Great Britain and Northern Ireland (the)
<b>20/09/2003 - 24/09/2003</b>	ELSO 2003 Conference. Germany
<b>20/06/2003 - 25/06/2003</b>	FEBS Advanced Course on "Lipid Signalling and Membrane Traffic", Italy
<b>21/06/2005 - 24/06/2005</b>	FEBS WORKSHOP-DIJON 2005, on "Recent Advances in Lipid Metabolism and Related Disorders", France
<b>18/10/2005 - 21/10/2005</b>	International Alumni seminar on "Biotechnology and Health", Armenia
<b>21/09/2006 - 24/09/2006</b>	FEBS/EMBO Workshop, 15th Protein Kinase Meeting "Spatial and Temporal Regulation of Signalling". Norway
<b>24/10/2006 - 26/10/2006</b>	FEBS Meeting on "New concepts in Lipidology: from lipidomics to disease". Netherlands (the)
<b>10/04/2007 - 20/04/2007</b>	NATO ASI on "Evolution from Cellular to Social Scales" . Norway
<b>30/08/2008 - 02/09/2008</b>	"Frontiers of Cellular, Developmental and Molecular Biology" . France
<b>04/07/2009 - 09/07/2009</b>	34th FEBS Congress "Life`s Molecular Interactions". Czech Republic (the)
<b>16/06/2009 - 20/06/2009</b>	Albany 2009, Conversation 16. United States of America (the)
<b>23/03/2009 - 02/04/2009</b>	ASI on "Order, Robustness and Instabilities in Complex Systems" . Norway

---

<b>17/03/2010 - 19/03/2010</b>	ISCO 2010 Congress "Cellular Oncology- New Insights Leadings to Clinical Advancement". Germany
<b>04/09/2010 - 07/09/2010</b>	EMBO meeting 2010.. Spain
<b>30/08/2014 - 04/09/2014</b>	FEBS Congress 2014. France
<b>01/09/2015 - 04/09/2015</b>	A joint Biochemical Society/FEBS Focused Meeting. United Kingdom of Great Britain and Northern Ireland (the)
<b>27/09/2016 - 30/09/2016</b>	6th European Workshop on Lipid Mediators. Germany
<b>18/06/2017 - 24/06/2017</b>	ONCOMETABOLISM. From Conceptual Knowledge to Clinical Applications. Portugal
<b>04/10/2017 - 08/10/2017</b>	EMBO Conference on "Nuclear Structure and Dynamics". France
<b>12/09/2018 - 14/09/2018</b>	7th European Workshop on Lipid Mediators. Belgium
<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. United States of America (the)
<b>29/06/2022 - 01/07/2022</b>	8.th European Workshop on Lipid Mediators. Karolinska Institute Sweden

## Membership

<b>Institution</b>	„Armenian Assotiation of Biochemists,,
<b>Period of time</b>	2003 till now

## Other information

Education: 1987 - 1991- Qualification: biophysics, teacher, Diploma of Excellence.

*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., Hovhannisyanyan A.G., Gevorgyan E.S.

New Armenian Medical journal 2024 55-66

---

*Article*

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

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

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

---

*Article*

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

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

Prostaglandins and Other Lipid Mediators 2023 106750

---

*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

---

*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

---

*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

---

*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

---

*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

---

Article

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

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

Евразийский Союз Учёных 2019 12-16

---

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

---

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/>

---

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

---

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

---

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.ysu.am/science/hy/journals>

---

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>

---

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/>

---

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/>

---

*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

---

*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

Հայաստանի կենսաբանական հանդես 2013 pp.85-88

---

*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

---

*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

---

*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

---

*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.

---

*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.

---

*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.

---

*Conference*

**Alterations In Sphingomyelin:Phosphatidylcholine Ratio In Chromatin Preparations From Rat Liver And Thymus Cells After The Cisplatin In Vivo Action**

Nune Hakobyan, Zhenya Yavroyan, Emil Gevorgyan

---

*Conference*

**Alterations in sphingomyelin:phosphatidylcholine ratio in chromatin preparations from rat liver and thymus cells after the cisplatin in vivo action**

Hakobyan N., Yavroyan Zh., Gevorgyan E.

---

*Conference*

**CHANGES IN POLYPHOSPHOINOSITIDES CONTENT IN NUCLEAR FRACTION OF RAT LIVER AND THYMUS CELLS AFTER THE ACTION OF CISPLATIN**

Nune Hakobyan, Zhenya Yavroyan, Emil Gevorgyan

---

*Conference*

**THE SENSITIVITY OF CHOLINE INCLUSIVE LIPIDS OF RAT BRAIN AND KIDNEY CHROMATIN TO CISPLATIN IN VIVO ACTION.**

HAKOBYAN N.R., Yavroyan Zh. V., Gevorgyan E.S.

---

*Conference*

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

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

---

*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

---

*Conference*

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

Hakobyan NR, Yavroyan ZhV, Hovhannisyan AG, Gevorgyan ES

---

*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.

---

*Patent*

**Device for non-invasive determination of glucose concentration in human organism**

Margaryan H., Hakobyan N., Hovhannisyan D., Aroutiounian V., Tabirian N., Rohatgi U., Abrahamyan V., Sargsyan T., Movsisyan A., Gasparyan P.

---

*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.

---

*Conference*

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

**and progesterone**

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

---