

Elene Zhuravliova

Personal information

Contact Details

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Full name: Elene Zhuravliova

Country: საქართველო (Georgia)

Gender: Female

City: Tbilisi

D Citizenship: საქართველო

Address: 3/5 Cholokashvili av

(Georgia)

Languages

Language	Writing	Reading	Speaking
Spanish	A2	A2	A1
Russian	C2	C2	C2
English	C1	C1	B2

Education

Academic degree

Academic Degree: Doctoral/PhD, Ed.D or other equivalent

Year obtained: 08.04.2005

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	S.Durmishidze Institute of Biochemistry and Biotechnology		Biochemistry	2002	2005
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Ivane Javakishvili Tbilisi State University,		Cellular and Molecular Biology	1999	2001
Bachelor/BS, BA, BE or other equivalent	Tbilisi State University		Biology	1995	1999

Trainings / Seminars / Training courses

Training / Seminar / The theme of the course	Organization name	Start year	End year
Learning Optimization and Academic Inclusion Via Equitative Distance Teaching and Learning	Erasmus+ Project	2021	
Evaluating the Teacher - International	AMEE	2020	
Essential Skills in Action	AMEE	2020	
"Training of trainers Barcelona 2020" Love Distance	Erasmus	2020	
Active Learning and ICT-enhanced teaching and Gamification	Ilia State University	2019	2019
Essential Skills in Medical Education	AMEE International Networking Center in Tbilisi	2019	2019
Essential Skills in Medical Education Assessment	AMEE	2019	
Development of Open Educational Resources	KU Luven	2019	
Fundamentals of Program Assessment	ABET	2018	2018
TRAINING OF THE TRAINERS COURSES ON HYBRID/BLENDED TEACHING AND LEARNING,	FH JOANNEUM University of Applied Sciences, Graz, AUstri	2018	2018

Training / Seminar / The theme of the course	Organization name	Start year	End year
Innovation management and modern technological tendencies	Ilia State University Technology Commercialization Office	2016	2016
Peer Review and Sustainable Science for Georgia	GRDF	2012	2012

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Depression, gut microbiota and sigma 1 receptor	Head of project	Elene Zhuravliova	28.02.2020	Shota Rustaveli Georgian National Research Foundation

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
The role of citrullinated proteins in the activity of methyl cycle and neuroinflammatory diseases	Key personal	Lali Shanshiashvili	20.12.2017	25.03.2022	Shota Rustaveli Georgian National Scientific Foundation
Analysis of chloride ion-channel associated macromolecular complexes in genetic disorders	Key personal	Davit Mikeladze	08.01.2010	03.01.2011	STCU
Non-genomic actions of thyroid hormones	Key personal	Davit Mikeladze	02.02.2009	04.02.2011	Shota Rustaveli National Science Foundation of Georgia
Ras-protein interaction in neurological diseases	Key personal	Davit Mikeladze	03.06.2002	31.05.2006	INTAS
Neuroprotective effects of creatine	Support personal	Nodar Kekelidze	05.03.2001	01.03.2002	CRDF

Scientific Fields (2018-2020)

Main Field

Field: 1. Natural sciences

Sub-Field: 1.6 Biological sciences

Subject area: 1.6.3 Biochemistry and molecular biology

Additional Field (1)

Field: 1. Natural sciences

Sub-Field: 1.6 Biological sciences

Subject area: 1.6.14 Other biological topics

Additional Field (2)

Field: 4. Agricultural sciences

Sub-Field: 4.4 Agricultural biotechnology

Subject area: 4.4.1 Agricultural biotechnology and food biotechnology

Scientific Fields (2021-2024)

Main Field

Field: 2. Life Sciences

Sub-Field: 2.1 Molecular Biology, Biochemistry, Biophysics, Structural Biology

Subject area: 2.1.2 Biochemistry

Additional Field (1)

Field: 2. Life Sciences

Sub-Field: 2.5 Neuroscience and Disorders of the Nervous System

Subject area: 2.5.11 Neurological and neurodegenerative disorders

Additional Field (2)

Field: 2. Life Sciences

Sub-Field: 2.1 Molecular Biology, Biochemistry, Biophysics, Structural Biology

Subject area: 2.1.9 Molecular mechanisms of signalling processes

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
Ilia State University	Faculty of Natural Sciences and Medicine	Dean	Coordination of faculty activities, strategic development planning, evaluation and improvement of the effectiveness of the teaching and research process	01.10.2022
National Center For Educational Quality Enhancement	Council of HEI Authorization	member	Review and decision on the authorization of HEI	17.02.2021
Ilia State University	Teaching Staff Development Center	Coach	Training of teaching staff in new teaching methods	20.10.2019
Ilia State University	Faculty of Natural Sciences and Medicine	Associate Professor	Preparation and conduct of study courses; supervision of master and doctoral theses	05.04.2013
I,Beritashvili Center of Experimental Biomedicine	Department of Biochemistry	senior researcher	To conduct research experiments, analysis obtained data, project monitoring	10.05.2005

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
National Center For Educational Quality Enhancement	Accreditation Council	member	Review and decision on the accreditation issue of programs	18.02.2021	17.02.2022
Ilia State University	Faculty of Natural Sciences and Medicine	Head of Quality Assurance Office	Coordination and monitoring of education programs' design, improvement, and development	09.03.2015	27.09.2022
Ilia State University	Faculty of Master and Doctoral Studies	assistant-professor	Preparation of and caring out lecture courses; supervision of master thesis, scientific research, analysis of obtained data and findings	05.11.2008	05.04.2013
I.Beritashvili Institute of Physiology	Laboratory of Neurochemistry	Junior researcher	Scientific research	04.10.2004	05.05.2005

Scientific Productivity

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	Tevzadze G, Kiknadze N, Zhuravliova E, Barbakadze T, Shanshiashvili L, Narmania N and Mikeladze D	Reducing the amount of Clostridium difficile in the gut microbiome reduces the behavioral projection of cognitive activity in rats.	World Academy of Sciences Journal	2023
Article	Gigi Tevzadze, Tamar Barbakadze, Elisabed Kvergelidze, Elene Zhuravliova, Lali Shanshiashvili, David Mikeladze	Gut neurotoxin p-cresol induces brain-derived neurotrophic factor secretion and increases the expression of neurofilament subunits in PC-12 cells	AIMS Neuroscience	2022
Article	Tevzadze, G. , Zhuravliova, E. , Okriashvili, N. , ... Barbakadze, T. , Mikeladze, D.	Different Arrangement of Dopamine Receptors/NMDA Receptors Heterocomplexes in the Brain Regions of a Healthy Male, Female and Audiogenic Seizure-Prone Male Rats	American Journal of Biochemistry and Biotechnology,	2022
Article	Gigi Tevzadze, Elene Zhuravliova, David Mikeladze	The Link Between Covid-19-Induced Mental Health Complications And Microbiota Can Exist	Journal of Mental Health & Clinical Psychology	2021
Article	Gigi Tevzadze, Elene Zhuravliova, Tamar Barbakadze, Lali Shanshiashvili, Davit Dzeladze, Zaqaria Nanobashvili, Tamar Lordkipanidze, and David Mikeladze	Gut neurotoxin p-cresol induces differential expression of GLUN2B and GLUN2A subunits of the NMDA receptor in the hippocampus and nucleus accumbens in healthy and audiogenic seizure-prone rats	AIMS Neuroscience	2020
Article	Gogvadze N, Zhuravliova E, Morin D, Mikeladze D, Maurice T.	Sigma-1 Receptor Agonists Induce Oxidative Stress in Mitochondria and Enhance Complex I Activity in Physiological Condition but Protect Against Pathological Oxidative Stress.	Neurotoxicity Research	2019
Article	G Tevzadze, E Zhuravliova, M Meparishvili, T Lortkipanidze, L Shanshiashvili, Z Kikvidze, D Mikeladze	Effects of a Gut Microbiome Toxin, p-Cresol, on the Contents of the NMDA2B Receptor Subunit in the Nucl. Accumbens of Rats	Neurophysiology	2019
Article	G Tevzadze, N Oniani, E Zhuravliova, N Darchia, M Eliozishvili, M Gogichadze, N Lortkipanidze, T Oniani, A Kakabadze, Z Kakabadze, L Karalashvili, Z Kikvidze, D Mikeladze	Effects of a Gut Microbiome Toxin, p-Cresol, on the Indices of Social Behavior in Rats	Neurophysiology	2018
Article	Tevzadze, G., Nanobashvili, Z., Zhuravliova, E., Bilanishvili, I., Shanshiashvili, L., Kikvidze, Z., & Mikeladze, D.	Effects of a Gut Microbiome Toxin, p-Cresol, on the Susceptibility to Seizures in Rats. Neurophysiology	Neurophysiology	2018
Article	Barbakadze T, Goloshvili G, Narmania N, Zhuravliova E, Mikeladze D.	Subcellular Distribution of S-Nitrosylated H-Ras in Differentiated and Undifferentiated PC12 Cells during Hypoxia.	Cell Journal (Yakhteh).	2017
Article	Nino Sharikadze, Natia Jojua, Maia Sepashvili, Elene Zhuravliova and David G Mikeladze.	Mitochondrial Target of Nobiletin's Action	Natural Products Communications	2016
Article	Jojua N., Sharikadze N., Zhuravliova E., Zaalishvili E., Mikeladze D.G.	Nobiletin restores impaired hippocampal mitochondrial bioenergetics in hypothyroidism through activation of matrix substrate-level phosphorylation.	Nutritional Neuroscience	2015
Article	Natsvlshvili N., Gogvadze N., Zhuravliova E., Mikeladze D.G.	Sigma-1 receptor directly interacts with Rac1-GTPase in the brain mitochondria	BMC Biochemistry	2015
Article	E. Zhuravliova, T. Barbakadze, N. Jojua, E. Zaalishvili, L. Shanshiashvili, N. Natsvlshvili, I. Kalandadze, N. Narmania, I. Chogovadze, D. Mikeladze	Synaptic and Non-Synaptic Mitochondria in Hippocampus of Adult Rats Differ in Their Sensitivity to Hypothyroidism.	Cellular and Molecular Neurobiology	2012
Article	Shanshiashvili LV, Dabrundashvili N, Natsvlshvili N, Kvaratskhelia E, Zhuravliova E, Barbakadze T, Korიაuli S, Maisuradze E, Topuria T, Mikeladze DG.	mGluR1 interacts with cystic fibrosis transmembrane conductance regulator and modulates the secretion of IL-10 in cystic fibrosis peripheral lymphocytes.	Molecular Immunology	2012
Article	L. Shanshiashvili, N. Narmania, T. Barbakadze, E. Zhuravliova, N. Natsvlshvili, J. Ramsden, D. G. Mikeladze	S-Nitrosylation Decreases the Adsorption of H-Ras in Lipid Bilayer and Changes Intrinsic Catalytic Activity.	Cell Biochemistry and Biophysics	2011
Article	Dabrundashvili N.G., Kvaratskhelia E., Gagua M., Maisuradze E., Chkhikvishvili I., Zhuravliova E., Mikeladze D.G.	Nobiletin Transiently Increases The Production Of Nitric Oxide And Changes The Activity Of Succinate Dehydrogenase In Human Blood Lymphocytes	Journal of Food Biochemistry	2011

Type	Authors	Publication title	Source title	Year
Article	Zhuravliova E, Barbakadze T, Zaalishvili E, Chipashvili M, Koshoridze N, Mikeladze D.	Social isolation in rats inhibits oxidative metabolism, decreases the content of mitochondrial K-Ras and activates mitochondrial hexokinase	Behavioural Brain Research	2009
Article	Zhuravliova E, Barbakadze T, Narmania N, Sepashvili M, Mikeladze DG.	Hypoinsulinemia Alleviates the Grf1/Ras/Akt Anti-Apoptotic Pathway and Induces Alterations of Mitochondrial Ras Trafficking in Neuronal Cells	Neurochemical Research	2009
Article	Kvaratskhelia E, Maisuradze E, Dabrundashvili NG, Natsvlishvili N, Zhuravliova E, Mikeladze DG.	N-Methyl-D-Aspartate and σ -Ligands Change the Production of Interleukins 8 and 10 in Lymphocytes through Modulation of the NMDA Glutamate Receptor	Neuroimmunomodulation	2009
Article	Chipashvili M., Zaalishvili E., Juravleva E., Koshoridze N. and Mikeladze D.G.	Dynamic trend of energy exchange intensity in the brain under chronic stress.	Journal of Biological Physics and Chemistry	2009
Article	Mikeladze D, Zhuravliova E, Barbakadze T.	Ras proteins, nitrosylation and homocysteine metabolism.	Georgian Medical News	2008
Article	Chipashvili M., Menabde K., Zaalishvili N., Juravliova E and Koshoridze N.	Rat brain creatine kinase and succinate dehydrogenase activity changes during chronic stress	Journal of Biological Physics and Chemistry	2008
Article	Zhuravliova E., Barbakadze T., Natsvlishvili N. & Mikeladze D.G.	Haloperidol induces neurotoxicity by the NMDA receptor downstream signaling pathway, alternative from glutamate excitotoxicity	Neurochemistry International	2007
Article	Zhuravliova E., Narmania N., Barbakadze T., Ramsden J., Mikeladze D	Inhibition of nitric oxide synthase and farnesyltransferase change the activities of several transcription factors	Journal of Molecular Neuroscience	2007
Article	Sepashvili M., Zhuravliova E., Barbakadze T., Khundadze M., Narmania N. & Mikeladze D.G.	1-NAME has Opposite Effects on the Productions of S-adenosylhomocysteine and S-adenosylmethionine in V12-H-Ras and M-CR3B-Ras Pheochromocytoma Cells	Neurochemical Research	2006
Article	Narmania N., Zhuravliova E., Barbakadze T., Khundadze M., Mikeladze D.	Double modifications of Ras protein change the DNA-binding activities of transcription factors.	Proceedings of Georgian Academy of Sciences, Biological Series_A	2006
Article	Sepashvili M., Zhuravliova E., Barbakadze T., Khundadze M. and Mikeladze	Oncogenic H-Ras enhances production of S-adenosylhomocysteine and reduces the level of S-adenosylmethionine in PC12 cells.	Proceedings of Georgian Academy of Sciences, Biological Series_A	2006
Article	Narmania N., Zhuravliova E., Barbakadze T. and Mikeladze D.	Farnesylation and nitrosylation of p21Ras change its intrinsic GTPase activity	Journal of Biological Physics and Chemistry	2005
Article	Barbakadze T., E. Zhuravliova, M. Sepashvili, E. Zaalishvili, J.J. Ramsden, J. Bátor, J. Szeberényi and D. Mikeladze.	Production of homocysteine in serum-starved apoptotic PC12 cells depends on the activation and modification of Ras.	Neuroscience Letters	2005
Article	Sepashvili M., Zaalishvili E., Zhuravliova E., Barbakadze T., Mikeladze D.	Modifications of Ras alter content of secreted homocysteine by PC-12 cells.	Proceedings of Georgian Academy of Sciences, Biological Series_A	2005
Article	Juravleva E., Barbakadze T., Mikeladze D. and Kekelidze T.	Creatine enhances survival of glutamate-treated neuronal/glial cells by modulation of Ras/NF- κ B signalling and reactive oxygen species	Journal of Neuroscience Research	2004
Article	Barbakadze T., Zhuravliova E., Narmania N., Sanikidze T., Kekelidze T., Mikeladze D.	Effects of guanidine analogs of creatine on the formation of reactive oxygen species and viability of primary neuronal/glial cells.	Journal of Biological Physics and Chemistry	2004
Article	Barbakadze T., Zhuravliova E., Kharebava G., Chatirishvili N., Dabrundashvili N., Mikeladze D.	Placental peptide p6 reduce glutamate-dependent neurotoxicity	Proceedings of Georgian Academy of Sciences, Biological Series_A	2004
Article	Juravleva E, Barbakadze T, Natsvlishvili N, Kekelidze T, Mikeladze D.	Creatine prevent the cytotoxicity of haloperidol by alteration of NO/Ras/NF- κ B system.	Creatine kinase and brain energy metabolism: function and disease. NATO science series: life and behavioral science	2003
Article	Natsvlishvili N., Juravleva E., Dzneladze D., Mikeladze D	Haloperidol regulates the binding of guanine nucleotides to synaptic membranes through the NMDA receptor.	Journal of Biological Physics and Chemistry	2001

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
Award for achievement of scientific group	Shota Rustaveli National Science Foundation of Georgia	2017
Travel Award	EMBO	2013
CAEN Travel Award	International Society of Neurochemistry	2013
Travel Award	EBEC (European Bioenergetics Conference)	2012
Travel Award	IBRO (International Brain Research Organisation)	2010
Travel Award	ICBEM (International Conference of Brain Energy Metabolism)	2010
one-year scholarship	World Federation of Scientists	2009
Fellowship Award	ECNP (European College of Neuropsychopharmacology)	2008
I, Beritashvili Named Stipend	The Ministry of Science and Education	2008
Travel Award	European Society for Neurochemistry	2007
Travel Award	Shota Rustaveli National Science Foundation of Georgia	2007
one-year scholarship	World Federation of Scientists	2007
Travel Award	FENS (Federation of European Neuroscience Societies)	2006
Travel Award	European Society for Neurochemistry	2005
CIG Award	INTAS	2005
The stipend of President of Georgia	Administration of President of Georgia	2004
Travel Award	IBRO (International Brain Research Organisation)	2003
I place Diploma and Grant at students' Conference	ISSEP (International Soros Society Education Program)	2003
I place Diploma and Grant at students' Conference	ISSEP (International Soros Society Education Program)	2002
I place Diploma and Grant at students' Conference	ISSEP (International Soros Society Education Program)	2001
I place Diploma and Grant at students' Conference	ISSEP (International Soros Society Education Program)	2000
Stipend for students	ISSEP (International Soros Society Education Program)	1995

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
3rd European Symposium on Physiopathology of Sigma-1 Receptors	Protective effect of sigma ligands in p-cresol induced depression-like behavior	Bari, Italy	2021
2nd European Symposium on Physiopathology of sigma-1 receptors	The role of sigma-1 receptor in regulation NMDA receptor's supramolecular complex composition during hypothyroidism	Riga, Latvia	2019
The 1st "Beritashvili Talks", Neurophysiological Functions and their Disorders – Interdisciplinary Studies	The effect of hypothyroidism on mitochondrial bioenergetics and signaling of neural cells	Tbilisi, Georgia	2018
9th World Congress "Targeting Mitochondria"	The effect of hypothyroidism and citrus flavonoid nobiletin on mitochondrial bioenergetics and signaling of neural cells.	Berlin, Germany	2018
FEBS / EMBO Course, Mitochondria in life, death and disease.	Mitochondrial Target of Nobiletin's Action	Crete, Greece	2015
The 18th European Bioenergetics Conference.	Possible improvement of neuronal mitochondrial bioenergetics by nobiletin involves activation of matrix substrate-level phosphorylation	Lisbon, Portugal	2014
EMBO Workshop, MITOCHONDRIA, APOPTOSIS and CANCER,	The neuroprotective effect of nobiletin in hypothyroid rats involves enhancement of mitochondrial substrate-level phosphorylation	Stockholm, Sweden	2013
The 17th European Bioenergetics Conference	Synaptic and nonsynaptic mitochondria in hypothyroid conditions.	Freiburg, Germany	2012
9th International Conference on Brain Energy Metabolism. Mitochondrial-Cytosolic Interactions: From Energetics to Pathogenesis ,	Nonsynaptic mitochondria are more susceptible to thyroid hormone status than synaptic mitochondria	Budapest, Hungary	2010
31st ECNP Congress	Some molecular aspects of haloperidol's neurotoxicity	Barcelona, Spain	2008
17th ESN Meeting	The mechanism of haloperidol neurotoxicity involves Ras protein inhibition through NMDA receptor and Grf-factor	Salamanca, Spain	2007
5th Forum of European Neuroscience	The neuroprotective effect of insulin involves activation of membrane-bound Ras and downstream antiapoptotic pathway through the association of GRF-SOS adaptor protein.	Vienna, Austria	2006
20-th Biennial Meeting of ISN and ESN	Production of homocysteine in the withdrawal conditions depends on the activation and modification of Ras in apoptotic PC12 cells.	Innsbruck, Austria	2005

Scientific event name	Title of the presentation	Event venue	Year
Sixth IBRO World Congress of Neuroscience	Nitric oxide mediates the Akt-dependent antiapoptotic action of insulin of primary neuronal/glial cells.	Prague, Czech Republic	2003

Productivity index

#	Citation index	h-index
Google scholar	346.00	9.00
Scopus		7.00