

Personal Information	First name: <u>George</u> Second name: <u>Burjanadze</u> Nationality : <u>Georgian</u> Place of Birth: <u>Tbilisi, Georgia</u> Address home: <u>31v, Pekini street, Flat #9, Tbilisi 0160, Georgia</u> Tel/ home: <u>+995 32 2 143473</u> Tel/mob: <u>+995 5 93 462358</u> E-mail: burjanadze.george@gmail.com ; giorgi.burjanadze@tsu.ge Date of birth: <u>11/10/1988 (DD/MM/YYYY)</u> Marital status: <u>Single</u>	
Education	2012-2015	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, PhD in biology/biochemistry
	2009-2011	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, Master of Science in Biology with a Major in Biochemistry (With Honors)
	2005-2011	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, Bachelor of Science in Biology (With Honors)
Publications	2017/2018	“Creatine–facilitated protection of stress caused by disrupted circadian rhythm” Burjanadze G, Shengelia M, Dachanidze N, Mikadze M, Menabde K, Koshoridze N; Biol Rhythm Res vol. 49, iss. 1; pp. 61-75
	other	Please find in Annex I
Scientific Conferences and Congresses	2017	“Psycho-emotional stress induced Ca ²⁺ -cytotoxicity in white rat hippocampus and creatine's possible neuroprotecting effect” G Burjanadze, N Dachanidze, K Menabde, M Koshoridze, M Shengelia, M Mikadze, N Koshoridze; 42 nd FEBS Congress, Jerusalem, Israel; FEBS J 284, 347-348
	Other	Please find in Annex II
Scientific Grants	2014-2017	Shota Rustaveli National Science Foundation, #FR/260/7-270/13, Effect of informational stress on neurobiological characteristics of different hierarchical level of rats“, Researcher
	2014-2017	Shota Rustaveli National Science Foundation, #FR/226/7-220/13, „Influence of psycho-emotional stress on brain energy metabolism of naturally aggressive individuals“, Researcher
	2013-2014	Shota Rustaveli National Science Foundation, #DO/261/7-220/13,

		“Characterization of creatine metabolism in brain under the long-term psycho-emotional stress”, Principle investigator
	2012-2013	Shota Rustaveli National Science Foundation, #PG/88/7-220/12, „Alterations in functional state of brain mitochondria under the long-term psycho-emotional stress”, Principle investigator
	2009-2012	Georgian National Science Foundation, #GNSF/ST08/2-375, „Changes in energy metabolism under the stressful conditions, induced by circadian rhythm disorders and long-term social isolation and possibilities for their prevention”, Researcher
Training courses	2013	“Workshop on Molecular Life Sciences Education”, FEBS and Association of Georgian Biochemists (AGB), Tbilisi, Georgia
	2013	“English for Scientific Purposes (ESP)”, CRDF global and GRDF, Bakuriani, Georgia
	2011	“C7-RER-5.013-007 Regional Training Course on Standardization of Techniques for Quality Evaluation of Solanaceous Food Crops”, Hungarian Atomic Energy Authority, Budapest, Hungary
Awards	2015	Prof. Stanislaw Tolpa Scholarship for young scientists
	2015	Award in PhD students annual scientific forum dedicated to Ivane Javakhishvili
	2013	University medal for obtaining the 2013-2014 years educational grant for PhD students
Work Experience	2017	Batumi Shota Rustaveli State University, Faculty of Natural Sciences and Health Care, Batumi, Georgia; Visiting lecturer
	2015 (Spring)	BAU International University Batumi, Faculty of Medicine - Visiting lecturer
	2016 (Spring)	
	2017 (Fall)	

	2016-present	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, Division of Biochemistry, Assistant-professor
	2015-present	Caucasus International University, Faculty of Medicine - Visiting lecturer
	2012-2016	Ivane Javakhishvili Tbilisi State University, Faculty Exact and Natural Sciences, Department of Biology, Division of Biochemistry, lab technician
	2012-2013	Private Secondary School "OLYMPY" – Biology teacher
	2011-2016	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, Division of Biochemistry, Visiting Lecturer
	2008-2009	Tbilisi Zoo's Educational Center, Teacher
Courses Taught	2011-present	<ol style="list-style-type: none"> 1. National study programs (Georgian): <ol style="list-style-type: none"> a. General Biochemistry (Undergraduate - Biology, Medicine, Dentistry); b. Functional (Systems') Biochemistry (Undergraduate - Medicine); c. Clinical Biochemistry (Post-graduate - Biology); d. Introduction to Biology (First year undergraduate students). 2. International programs (English): <ol style="list-style-type: none"> a. General Biochemistry (Undergraduate - Medicine, Dentistry); b. Functional (Systems') Biochemistry (Undergraduate - Medicine); c. Molecular and Cellular Biochemistry (Undergraduate - Medicine).
Other Activities	2013-2015	Ivane Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Department of Biology, Head of the students' scientific group
	2007-2009	Caucasus Youth Environmental Network (CYEN), Member
Skills	General	<ul style="list-style-type: none"> • Communication • Ability to Work Under Pressure

		<ul style="list-style-type: none"> • Decision Making • Time Management • Self-motivation • Conflict Resolution • Leadership • Adaptability • Teamwork • Creativity • MS Office Programs (Word, Excel, PowerPoint) • Ability to work with operating system including Windows and Mac OS
	Professional	<ul style="list-style-type: none"> • Laboratory/Research Instruments • Spectrometry • Gel Electrophoresis/Western Blotting • ELISA/EIA • SPSS statistics 23.0 (IBM) • Preparation of scientific publication • Preparation of scientific grant
Languages	<p>Georgian (native)</p> <p>English (B2)</p> <p>Russian (B1)</p>	
Interests	Biochemistry, Molecular biology, Neurosciences and related subjects	

Publications	2017	“Thyroid Gland Ecto-ATPase and Some of Its Kinetic Properties” N Koshoridze, G Burjanadze, K Menabde, Z Kuchukashvili; Med Res Archives, vol. 5, issue 12
	2017	“INFORMATIONAL STRESS AS A DEPRESSION INDUCING FACTOR (EXPERIMENTAL STUDY)” Matitaishvili T, Domianidze T, Burdjanadze G, Nadareishvili D, KhaNshvili M; Georgian Med News. 2017 Jan; (262):106-111.
	2016	“Some Biochemical Changes of Rat Hippocampal Slices under the Long-term Creatine Intraperitoneal Supplementation” Burjanadze George, Shengelia Mariam, Dachanidze N, Koshoridze Marine, Menabde K, Tsagareli Sulkhan, Koshoridze N; International J of Biochemistry and Biophysics 4(4): 45-51, 2016
	2016	“Investigation of Brain Creatine Levels Under the Mental Stress Conditions” George Burjanadze, N Dachanidze, Z Kuchukashvili, M Chachua, K Menabde, N Koshoridze, J of Stress Physiology & Biochemistry 12 (4), 2016
	2014	“Changes in activity of hippocampus creatine kinase activity under circadian rhythm disorders” G Burjanadze, Z Kuchukashvili, M Chachua, K Menabde, N Dachanidze, N Koshoridze; Bio Rhythm Res 45 (5), 685-697; 2014
	2013	“Functioning of the Antioxidant System under Psycho-Emotional Stress” N Dachanidze, G Burjanadze, Z Kuchukashvili, K Menabde, N Koshoridze; J of Stress Phys & Bioch, Vol. 9 No. 4 2013, pp. 122-131
	2013	“Lipid Peroxidation and Antioxidant System Activity Changes of Rat Blood and Cardiac Muscle Cells Under Chronic Stress” N Dachanidze, G Burjanadze, Z Kuchukashvili, K Menabde, N Koshoridze; Int J of Bioch and Biophy 1(1): 16-21
	2012	“Long-lasting stress, quantitative changes in nitric oxide concentration and functional state of brain mitochondria”; Kuchukashvili Z, Burjanadze G, Menabde K, Chachua M, Dachanidze N, Mikadze M, Koshoridze N., Acta Neurobiol Exp (Wars). 2012; 72(1):40-50
	2011	“Tissue specificity of lipid peroxidation under emotional stress in rats”; Menabde K, Burdzhnanadze G, Chachua M, Kuchukashvili Z, Koshoridze N., Ukr Biokhim Zh. 2011; 83(3):85-90.
	2011	“Functional state of rat cardiomyocytes and blood antioxidant system under psycho-emotional stress”; Kuchukashvili Z, Menabde K, Chachua M, Burjanadze G, Chipashvili M, Koshoridze N., Acta Biochim Biophys Sin (Shanghai). 2011; 43(6):480-6.
	2011	“Functional Status of Mitochondrial Pore in the Brain of Laboratory Rats Subjected to Prolonged Emotional Stress” G Burjanadze, K Menabde, M Gavashelidze, Z Kuchukasvili, N Koshoridze, J of Stress Physiology & Biochemistry, 7(4): 88- 96.
	2009	“Energy exchange in the rat's brain during chronic stress” G Burdzhnanadze, NT Dachanidze, M Karapetian, K Menabde, N Koshoridze, Georgian Med News.2(167):84-9

Scientific Conferences and Congresses	2017	“Behavior of dominant and submissive rats in the chronic informational stress and depression model” Tamar Matitaishvili, Tamar Domianidze, George Burdjanadze; 36th göttingen neurobiology conference, German Neuroscience Society, Göttingen, Germany
	2017	“Effect of exogenous creatine on blood lipid spectrum” N Dachanidze, K Menabde, G Burjanadze, M Chachua, N Koshoridze; 42 nd FEBS Congress, Jerusalem, Israel; FEBS J 284, 347-348
	2017	“Self-regulatory behavior of rats being on different hierarchical level in chronic psychogenic stress model” T. Domianidze, T. Matitaishvili, G. Burdjanadze, M. Khananshvili; 36th Gottingen neurobiology conference, German Neuroscience Society, Gottingen, Germany
	2016	“Mental stress disorders and calcium induced changes in nitric oxide levels in rat hippocampus” G Burjanadze, N Dachanidze, S Lekiasvili, Z Kuchukashvili, M Chachua, K Menabde, M Koshoridze, N Koshoridze; 41st FEBS Congress; FEBS J 283, 64-65
	2016	“Long-lasting stress, quantitative changes in nitric oxide concentration and functional state of heart muscle cells” N Dachanidze, K Menabde, M Chachua, G Burjanadze, N Koshoridze; 41st FEBS Congress FEBS J 283, 382-382
	2016	“Nature of Change in Creatine Kinase and Ca ²⁺ -ATPase Activity under Stress Caused Isolation and Violation of Natural Diurnal Cycle” 2 nd European Meeting of Neurosciences by PhD students, Grenoble, France
	2016	Lipid Peroxidation and Antioxidant system Activity Changes of Rat Blood and Cardiac Muscle Cells Under Chronic Stress” 45th European Muscle Conference in Montpellier, France
	2015	“Alterations in creatine levels in rat brain under stress induced by social isolation and violation of diurnal cycle”; 17 th EMBL PhD Symposium; EMBL, Heidelberg, Germany
	2015	“Functional state of rat heart muscle cells and blood antioxidant system under psycho-emotional stress” 40 th FEBS Congress “The Biochemical Bases of Life”; FEBS, Berlin, Germany
	2015	“Alterations of creatine levels in rat brain under long term-social isolation”; 40 th FEBS Congress “The Biochemical Bases of Life”; FEBS, Berlin, Germany
	2015	“Functional state of Cr/PCr/CK shuttle under long-term stress conditions”; The Third Scientific Conference in Exact and Natural Sciences ENS-2015; TSU, Tbilisi, Georgia
	2014	“Impact of psycho-emotional stress on activity of brain antioxidant system and energy metabolism in naturally aggressive (killer) animals”; 9th forum of Neuroscience, FENS; Milan, Italy
	2014	“Isolation as the inducer of oxidative stress”; The Second Scientific Conference in Exact and Natural Sciences ENS-2014; TSU, Tbilisi, Georgia
2013	“Psycho-emotional stress and antioxidant system in brain mitochondria”; Cell Symposia	

	Mitochondria: from Signaling to Disease; Lisbon, Portugal, 2013
2013	“Influence of creatine on the functional state of mitochondrial permeability transition pore during long-term psycho emotional stress”; The First Scientific Conference in Exact and Natural Sciences ENS-2013; TSU, Tbilisi, Georgia
2013	“Changes in Activity of Creatine kinase and Functional State of Mitochondria under Stress Conditions”; Tbilisi International Conference. Merging neuroscience and medicine: Implications for brain disorders, Tbilisi, Georgia.
2012	“Brain mitochondria and long-lasting psycho-emotional stress” Z Kuchukashvili, N Koshoridze, K Menabde, G Burjanadze, M Chachua, FEBS J, 2012; Volume 279, pp 198-198
2012	“Structure of the mitochondrial permeability transition pore”; Bachelor, Master and PhD Students’ IV Annual International Scientific Conference in Biology Dedicated to Academician Petre Kometiani, TSU, Tbilisi, Georgia
2012	“Human Thyroid Tissue HCO ₃ ⁻ -ATPase in Norm and Pathology”, 2 nd International Medical Student Congress, OMU, Samsun, Turkey
2011	“Changes of the Functional States of Mitochondrial Permeability Transition Pore Under Psycho-Emotional Stress”, Bachelor, Master and PhD Students’ III Annual International Scientific Conference in Biology Dedicated to Academician Petre Kometiani, TSU, Tbilisi, Georgia
2011	“Functional Status of Brain Mitochondria Under Psycho-Emotional Stress”, 8 th IBRO World Congress of Neuroscience, Florence, Italy
2011	“Functional State of Rat Cardiomyocytes and Blood Antioxidant System under Psycho-Emotional Stress”, International Medical Student Congress, OMU, Samsun, Turkey
2010	“Pro- and Antioxidant System in Cardiac Histiocytes and Blood Under Stress Caused by Isolation and Violation of Diurnal Cycle”, XXVI National Congress of Cardiology Boards, Turkish Society of Cardiology, Istanbul, Turkey
2010	70 th Students’ Scientific Conference, Section of Biochemistry, Ivane Javakhishvili Tbilisi State University (TSU), Faculty of Exact and Natural Sciences (FENS), Department of Biology (DB), Tbilisi, Georgia
2010	Students’ and Pupils’ IV Scientific Symposium “Tumor and Modern Treatment Technologies”, TSU, Tbilisi, Georgia
2010	“Changes in Creatin Kinase Activity and its Kinetic Parameters During the Stress Induced by Isolation and Circadian Rhythm Violation”, Bachelor, Master and PhD Students’ II Annual Scientific Conference in Biology Dedicated to Academician Petre Kometiani, TSU, Tbilisi, Georgia
2010	“The Changes of Some Kinetic Parameters of Creatinephosphokinase (CPK) During Isolative Stress and Diurnal Cycle Disorders”, 14 th Annual Symposium for Biology Students in Europe – SymBioSE’10, Eskisehir, Turkey;

2009	“P-149 Energetic Changes in Heart Cells of White Rats in Conditions Stress Induced by Violated Durinal Cycle” Tengiz Samkharadze, N Koshoridze, MaN Chipashvili, Margarita Karapetiani, George Burjanadze, N Dachanashvili, CVD Prevention and Control, Elsevier, volume 4, p. S94
2008	Students’ and Pupils’ II Scientific Symposium “Stem Cells”, TSU, Tbilisi, Georgia
2008	“Rat Brain H-Ras protein levels, CK and Succinate Dehydrogenase Activity Changes Caused by Isolative Stress”, 12 th Annual Symposium for Biology Students in Europe – SymBioSE’08, Coimbra-Aveiro, Portugal
2008	“Changes of Mitochondrial Creatine Kinase Activity and Creatine Concentration in Rats’ Brain during Stress Induced by Isolation”, Bachelor, Master and PhD Students’ I Annual Scientific Conference in Biology Dedicated to Academician Petre Kometiani, TSU, Tbilisi, Georgia
2008	“Changes of Creatine Kinase Activity and Ras Protein’s Concentration in Rats’ Brain during Stress Induced by Isolation”, 68 th Students’ Scientific Conference, TSU, Tbilisi, Georgia
2007	Students’ and Pupils’ I Scientific Symposium “Gene engineering - Perspectives, Problems”, TSU, Tbilisi, Georgia
2007	“Dependence of Nucleoli Structure on the grade of Malignization. Practical Perspectives”, 67 th Students’ Scientific Conference, TSU, Tbilisi, Georgia