Gaiozishvili Maia
Department of Biology, Division of Genetics.
Assistant-Professor. PhD in Biology(PhD)
E-mail: maia.gaiozishvili@tsu.ge
Phone: 00995 032 2304170
Mobile: 00995 599301209

Education

2009-2014. Ivane Javakhishvili Tbilisi State Unievrsity, Faculty of Exact and Natural Sciences.Academic Degree - PhD in Biology. Specialty – Genetics.

2005-2007. Ivane Javakhishvili Tbilisi State Unievrsity, Faculty of Exact and Natural Sciences.Academic Degree - Master of Biology. Specialty – Genetics, Hematology, Transfusiology.

2001-2005. IvaneJavakhishvili Tbilisi State Unievrsity, Faculty of Biology. Academic Degree - Bachelor in Biology. Specialty – Biology.

Work Experience

2015-since. Assistant-Professor. Department of Biology, Division of Genetics, Ivane Javakhishvili Tbilisi State Unievrsity.

2011-2015.Assistant-Professor. Department of Biology, Division of Genetics, Ivane Javakhishvili Tbilisi State Unievrsity.

2010-2011.Invited Lecturer in Genetics. Department of Biology. Ivane Javakhishvili Tbilisi State Unievrsity.

2010. Invited Lecturer in Genetics. Faculty of Medicine. Ivane Javakhishvili Tbilisi State Unievrsity.

2008-2009. Laboratory Assistant. Department of Biology, Laboratory of Genetics. Ivane Javakhishvili Tbilisi State Unievrsity.

Teaching Courses

Genetics (practicum)
Genetics and Molecular Biology 1 (practicum)
Integrated Biology (seminar)
Biomedicine Laboratory Research Methods (laboratory)
Research Methods (lecture)
Introduction in Biology (seminar)
Human Genetics with basis of medical Genetics (seminar)
Introduction in Haematology with basis of Genetical disorders (lecture)

Participation in Grant Projects

2016-2019. Glutathione S-transferase M1 and T1 genes polymorphism associated with antituberculosis drug induced hepatotoxicity in Georgian population. Key Personnel.SRNSF. DI-2019-39.

2014-2017. Applications of bioregulators and heavy metals to hinder the progress of ductal Breast Cancer. Key Personnel.SRNSF. FR/337/7-140/13.

2014-2016. Warfarin dose regulation in cardiovascular diseases patients with CYP2C9 and VKORC1 gene polymorphism.Support Person. SRNSF04.20/STCU5890.

2012-2014.Correction of genome by nanopeptides and metal ions to prevent and hinder of hypertrophic cardiomyopathy. Key Personnel.SRNSF 09.17/STCU5624.

List of Publications

- Evaluation of Genomic Parameters in Ductal Breast Cancer Patients and the Ability of it's Correction. Georgian Medical News.*Printing Process.* (2017)
- Genomic variability in Patients with Ductal form of Breast Cancer and the possibility of correction with peptide Bioregulator and Metal ions. Georgian Medical News.(262): 88-92. (2017).
- The Host Epigenetics Alterations in Pulmonary Tuberculosis. International Journal of Pharmaceutical Science and health Care. J. Issue 6, V. 3, 39-47. (2016)
- The Frequency of CYP2C9 and VKORC1 Gene Polymorphyc Alleles in Georgian Population. IICB & IA-E int. conference proceedings. 47-50. ISBN 978-93-84468-48-4. (2016).
- Frequency of Polumorphism of VKORC1 and CYP2C9 Genes in two Regions of Georgia. Georgian Med News. (250):46-51. (2016).
- Epigenetic Regulation of"Age"Heterochromatin by Peptide Bioregulator Cortagen. Int J Pept Res and Ther. DOI 10.1007/s10989-014-9443-7. (2015).
- Genomic instability in atherosclerosis. Georgian Med News. Nov;(236):82-86. (2014).
- Effect of peptide bioregulator and cobalt ions on the activity of NORS and associations of acrocentric chromosomes in lymphocytes of patients with hypertrophyc cardiomyopathy and their relatives. Geo. med. News. 9(234), 134-137. (2014).
- Functional regulation of genome with peptide bioregulators by hypertrophic cardiomyopathy (by patients and relatives). Geo. med. News. (225):94-7. (2013).
- Deheterochromatinization of the chromatin in old age induced by oligopeptide bioregulator (Lys-Glu-Asp-Pro). Geo. med. News. (212):76-82. (2012).
- Influence of tetrapeptide on chromatin thermostability.Geo. med. News. (194):64-6.(2011).
- Remodeling of heterochromatin induced by heavy metals in extreme old age. Age (Dordr). Sep;33(3):433-8. (2011).
- Gerontology research in Georgia. Biogerontology. Apr;12(2):87-91. (2011).
- The Effect of Heavy Metal Ions and Peptide Bioregulators on the Expression of Chromosome Fragile Sites in the Individuals of Different Age Groups and Breast Cancer Patients.Georgian Med.News, 9(162), 11-14. (2008).

Research Interest:

Human Genetics
Genetics of aging
Medical Genetics
Personalized Medicines