Levan Lomidze

Personal information

ID Number: 01004008951

Full name: Levan Lomidze

Gender: Male

Date of birth: 22.05.1985

Citizenship: საქართველო (Georgia)

Contact Details

Email address: levan.lomidze.2@iliauni.edu.ge

Call number: 598531198

Country: საქართველო (Georgia)

City: Tbilisi

Address: Mukhiani IV a m/d, bild. I, apt. 48

Languages

Language	Writing	Reading	Speaking
English	B2	B2	B2

Education

Academic degree

Project title	Position	Project head	Start Date	End Date	Donor
Quadruplex priming amplification for molecular diagnostics	Young scientist/Researcher	Levan Lomidze	05.10.2015	31.03.2016	Shota Rustaveli National Science Foundation of Georgia
DNA Quadruplex Thermodynamics; Researcher	Laboratory assistant	Besik kankia	20.12.2012	20.12.2015	Shota Rustaveli National Science

					Foundation of Georgia

Academic Degree: Doctoral/PhD, Ed.D or other equivalent Year obtained: 20.03.2018 Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Ilia State University	საქართველო (Georgia)	Biophysics	2010	2018
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Ilia State University	საქართველო (Georgia)	Biophysics	2007	2009
Bachelor/BS, BA, BE or other equivalent	Tbilisi State University	საქართველო (Georgia)	Biophysics	2002	2006

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Quadruplex priming amplification for molecular diagnostics and DNA sequencing	Young scientist	Besik Kankia	20.12.2017	Shota Rustaveli National Science Foundation of Georgia
Effect of metal ions on the reduction of Cr(VI) by Arthrobacter species	Project Coordinator	Olia Rcheulishvili	09.12.2016	Shota Rustaveli National Science Foundation of Georgia

Completed projects

Scientific Fields

Main Field

Field: 1. Natural sciences

Sub-Field: 1.6 Biological sciences

Subject area: 1.6.6 Biophysics

Additional Field (1)

Field: 3. Medical and health sciences

Sub-Field: 3.4 Health biotechnology

Subject area: 3.4.3 Technologies involving identifying the functioning of DNA, proteins and enzymes and how they influence the onset of disease and maintenance of wellbeing, gene-based diagnostics and therapeutic interventions (pharmacogenomics, genebased therapeutics)

Employment History

Project title	Position	Project head	Start Date	End Date	Donor
Methods of Nanoparticle Production Using Extremophiles; Laboratory assistant	Laboratory assistant	Neli Tcibakhashvili	01.09.2010	01.09.2013	Science and Technology Center in Ukraine
Detoxification of Heavy Metal Ions by Basalt-Inhabiting Bacteria	Laboratory assistant	Neli Tcibakhashvili	01.02.2010	01.02.2011	Shota Rustaveli National Science Foundation of Georgia; Science and Technology Center in Ukraine

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
Ilia State University	Institute of Biophysics	Researcher	Scientific research	01.02.2012

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
European University	Medical Faculty	Invited Staff / lecturer	Lecture	26/07/2017	26/07/2020
Ohio State University	Department of Chemistry and Biochemistry	Short-term Scholar	Scientific research	01.11.2015	31.03.2016
Ohio State University	Department of Chemistry and Biochemistry	Short-term Scholar	Scientific research	01.03.2014	30.09.2014
Ohio State University	Department of Chemistry and Biochemistry	Research Scholar	Scientific research	01.12.2012	31.10.2013
Ilia State University	Institute of Microbial Genetics and Biotechnology	Researcher	Scientific research	01.03.2011	01.02.2012

Scientific Productivity

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	Levan Lomidze, Tyler H. Williford, Karin Musier-Forsyth, Besik Kankia	Isothermal amplification of long	Analytical Methods	2018

		DNA segments by quadruplex priming amplification		
Article	Rcheulishvili, O; Solomonia, R; Tsverava, L; Rcheulishvili, A; Gelagutashvili, E; Ginturi, E; Metreveli, N; Gurielidze, M; Lomidze, L; Tugushi, L;	Effect of chromate (VI), magnesium and calcium on the proteome of Arthrobacter globiformis 151B	FEBS OPEN BIO	2018

Type	Authors	Publication title	Source title	Year
Article	L. Lomidze, S. Kelley, Sh. Gogichaishvili, N. Metreveli, K. Musier-Forsyth, B. Kankia	Sr2+ induces unusually stable d(GGGTGGGTGGGTGGG) quadruplex dimers	Biopolymers	2016
Article	B. Kankia, D. Gvarjaladze, A. Rabe, L. Lomidze, N. Metreveli, K. Musier-Forsyth	Stable Domain Assembly of a Monomolecular DNA Quadruplex: Implications for DNA-Based Nanoswitches	Biophysical Journal	2016
Article	Tamar Partskhaladze, Adam Taylor, Levan Lomidze, David Gvarjaladze, Besik Kankia	Exponential quadruplex priming amplification for DNA-based isothermal Diagnostics	Biopolymers	2015
Article	Levan Lomidze, Mamuka Kotetishvili	Genetic Recombination of the rpoB Gene as a Mechanism of the Mycobacterium tuberculosis Resistance to Rifampin	Asian Journal of Pharmacy, Nursing and Medical Sciences	2015
Article	Shota Gogichaishvili, Levan Lomidze, Besik Kankia	Quadruplex priming amplification combined with nicking enzyme for diagnostics	Analytical Biochemistry	2014
Article	J. Mathias, R. Okyere, L. Lomidze, D. Gvarjaladze, K. Musier-Forsyth, B. Kankia	Thermal stability of quadruplex primers for highly versatile isothermal DNA amplification	Biophys Chem.	2014
Article	Sh. Gogichaishvili, J. Johnson, D. Gvarjaladze, L. Lomidze, B. Kankia	Isothermal amplification of DNA using quadruplex primers with fluorescent pteridine base analogue 3-methyl isoxanthopterin	Biopolymers	2014
Article	T. Kalabegishvili, E. Kirkesali, E. Ginturi, A. Rcheulishvili, I. Murusidze, D. Pataraya, M. Gurielidze, N. Bagdavadze, N. Kuchava, D. Gvarjaladze, L. Lomidze	Synthesis of gold nanoparticles by new strains of thermophilic actinomycetes	Nano Studies	2013
Article	Kalabegishvili, Tamaz Levan; Kirkesali, Elena Ivan; Rcheulishvili, Alexander Nikoloz; Ginturi, Etery Nikoloz; Murusidze, Ivane Giorgi;	Effect of Zn (II) on the reduction and accumulation of Cr (VI) by Arthrobacter species	Journal of Materials Science and Engineering	2012

	Pataraya, Dodo Trofim; Gurielidze, Manana Amiran; Tsertsvadze, Giorgi Ilia; Gabunia, Vakhtang Nikoloz; Lomidze, Levan Giorgi;			
Article	T. Kalabegishvili, E. Kirkesali, A. Rcheulishvili, I. Murusidze, D. Pataraya, M. Gurielidze, G. Tsertsvadze, V. Gabunia, D. Gvarjaladze, L. Lomidze	Synthesis of gold nanoparticles by Streptomyces glaucus 71 MD	Nano Studies	2011
Article	N. Tsibakhashvili, T. Kalabegishvili, A. Rcheulishvili, E. Gintury, L. Lomidze, D. Gvarjaladze, O. Rcheulishvili, Hoi-Ying N. Holman	Effect of Zn(II) on the reduction and accumulation of Cr(VI) by Arthrobacter species	Journal of Industrial Microbiology & Biotechnology	2011
Article	N. Tsibakhashvili, T. Kalabegishvili, V. Gabunia, E. Gintury, N. Kuchava, N. Bagdavadze, D. Pataraya, M. Gurielidze, D. Gvarjaladze, L. Lomidze	Synthesis of silver nanoparticles using bacteria	Nano Studies	2010

#	Citation index	h-index
Google scholar	92.00	7.00

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
60th Biophysical Society Meeting;	Stable Domain Assembly of a Monomolecular DNA Quadruplex: Implications for DNA-Based Nanoswitches	Los Angeles, CA, USA	2016
17th Rustbelt RNA Meeting	Quadruplex priming amplification for nucleic acid detection and quantification	Sawmill Creek Resort, Huron, Ohio	2015
5th International Meeting on Quadruplex Nucleic Acids	Nucleic Acid Detection and Quantification Methods Based on DNA Quadruplexes	Talence, Bordeaux, France	2015
27th Annual Gibbs Conference on Biothermodynamics	Isothermal Generation of DNA Clones for Next-generation Sequencing	Carbondale, Illinois	2013
Biomedical Engineering Society Annual Meeting	Development of a Simple and Self-Contained mRNA Biomarker Extraction and Detection Assay	Seattle, Washington, US	2013
X International conference on Nanostructured Materials.	Synthesis of silver nanoparticles by a novel alkalophilic actinomycete Streptomyces spp. 211A and their characterization	Rome, Italy	2010

Productivity index