

Darejan Bolkvadze

Personal information

Contact Details

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Full name: Darejan Bolkvadze

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Gender: Female

Country: საქართველო (Georgia)

Date of birth: 30.12.1985

City: Tbilisi

Citizenship: საქართველო (Georgia)

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Languages

Language	Writing	Reading	Speaking
Spanish	A1	A2	A1
English	C1	C2	C2
Russian	C1	C2	C2
ქართული (Georgian)	C2	C2	C2

Education

Academic degree

Academic Degree: PhD student

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
PhD student	Ilia State University	საქართველო (Georgia)		2010	
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Ilia State University	საქართველო (Georgia)	Microbiology	2008	2010
Bachelor/BS, BA, BE or other equivalent	Ivane Javakishvili Tbilisi State University	საქართველო (Georgia)	Biology	2003	2007

Trainings / Seminars / Training courses

Training / Seminar / The theme of the course	Organization name	Start year	End year
Training in Food Microbiology	The Georgian Association of General and Applied Microbiology (GAGAM)	2019	2019
U.S.-Georgia Cooperation for Partnership in Science. Regional Training Workshop on NIH Grant Application Process and Procedures	National Institute of Allergy and Infectious Diseases (NIH)	2017	
U.S.-Georgia Cooperation for Partnership in Science. Scientific Writing workshop	National Institute of Allergy and Infectious Diseases (NIH)	2017	
Bacteriophage the in Nature and In Our Labs" and "Phage Therapy In Practice"	P.H.A.G.E	2017	
Biosafety Officer Symposium	Cooperative Biological Engagement Program	2016	
PCR Real time assay to detect Bacillus anthracis	Anthrax Reference Center in Italy	2015	
Spore isolation method from environmental samples (G.A.B.R.I. technique)	Anthrax Reference Center in Italy	2015	
Safe working with Bacillus anthracis in laboratory Biosafety Level 3	Anthrax Reference Center in Italy	2015	
Biosafety and Biosecurity Training Course	United Nations Interregional Crime and Justice Research Institute (UNICRI)	2015	

Training / Seminar / The theme of the course	Organization name	Start year	End year
Biosafety Level-3 Operational Skills Training Course	Battelle	2014	2019

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Polyclonal Immunoglobulin for treatment of complicated Staphylococcal infections	Main personnel	Sergo Rigvava	01.01.2019	SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Assessment of the formation of Pseudomonas aeruginosa clinical strains' biofilms and evaluation of the effect of bacteriophages and antibiotics on them	Project manager	Darejan Bolkvadze	01.04.2018	30.09.2018	NAPR *Eliava Foundation- bacteriophage development association in Georgia
Characterization of Klebsiella pneumoniae active, therapeutic, individual bacteriophages	Main personnel	Lika Leshkasheli	01.04.2018	31.10.2018	NAPR *Eliava Foundation- bacteriophage development association in Georgia
The role of XhIA domain containing protein in development lysogenic conversion	Main personnel	Sophio Rigvava	12.12.2016	12.12.2017	Shota Rustaveli National Foundation
Evolution of a new Bacteriophage cocktail for treatment of Acinetobacter baumannii associated sepsis	Main personnel	Mzia Kutateladze	01.07.2014	30.06.2016	Swiss national foundation for Scientific research Scopes IZ7370_152319
Anthrax environmental decontamination network	Main personnel	Les Baiille	03.04.2014	31.12.2017	FP7- EU MARIE CURIE
Epidemiology of Francisella tularensis in Georgia	Main personnel	Mzia Kutateladze	12.04.2013	30.05.2016	DTRA GG19
Bacteriophages against sulfate-reducing bacterial biofilms	Project manager	Darejan Bolkvadze	01.04.2013	30.05.2013	Shota Rustaveli National Foundation
Characterization of mechanisms of adaptive phage-host co-evolution using next generation sequencing and phenotypic profiling	Main personnel	Mzia Kutateladze	01.01.2013	30.05.2017	DTRA CR19
International net for phage therapy in aquaculture-aquaphage	Main personnel	Partelis Katharios	02.01.2011	31.12.2014	FP7- EU MARIE CURIE

Scientific Fields

Main Field

Field: 1. Natural sciences

Sub-Field: 1.6 Biological sciences

Subject area: 1.6.1 Cell biology, Microbiology

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
G. Eliava Institute of Bacteriophages, Microbiology and Virology	Laboratori of Molecular Biology	Scientist researcher	Microbiological and Molecular studies. Preparation of scientific articles and projects and participation in conferences	01.04.2019

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
Buckwood International School	Summer School	Teacher of Biology	Conducting the lectures and practical lessons	17.06.2012	23.06.2012
G. Eliava Institute of Bacteriophages, Microbiology and Virology	Laboratory of Molecular Biology	Senior Laboratory Assistant	Microbiological manipulations (on different species of bacteria and bacteriophages against those), Molecular studies	01.05.2012	31.03.2019
G. Eliava Institute of bacteriophages, microbiology and virology, Tbilisi, Georgia	Laboratory of Molecular Biology	Contracter	Scientific/technical works held in the laboratory	07.09.2009	30.04.2012

Scientific Productivity

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	S. Rigvava, I. Kusradze, N. Karumidze, T. Dvalidze, M. Kacitadze, S. Barbakadze, D. Bolkvadze, M. Goderdzishvili	New Temperate Enterococcus Phage VB_GEC_EFC2 With Potential of Lysogenic Conversion	Georgian Medical News	2018
Article	N Hoyle, P Zhvaniya, N Balarjishvili, D Bolkvadze, L Nadareishvili, D Nizharadze, J Wittmann, C Rohde, M Kutateladze	Phage therapy against Achromobacter xylosoxidans lung infection in a Patient with Cystic Fibrosis: A Case Report	Research in Microbiology	2018
Article	J. Farlow, D. Bolkvadze, L. Leshkasheli, I. Kusradze, A. Kotorashvili, N. Kotaria, N. Balarjishvili, L. Kvachadze, M. Nikolich, M. Kutateladze	Genomic characterization of three novel Basilisk-like phages infecting Bacillus anthracis	BMC Genomics	2018
Article	Aycan Gundogdu, Darejan Bolkvadze, Huseyin Kilic	In vitro Effectiveness of Commercial Bacteriophage Cocktails on Diverse Extended-Spectrum Beta-Lactamase Producing Escherichia coli Strains	Frontiers in Microbiology	2016
Article	M. Kutateladze, L. Leshkasheli, D. Bolkvadze, L. Askilashvili, N. Balarjishvili	Bacteriophages against multidrug resistant bacterial infections	International Journal of Infectious Diseases	2016
Article	D. Bolkvadze, E. Tevdoradze, N. Skhirtladze, L. Leshkasheli, L. Kvachadze, N. Balarjishvili, M. Kutateladze	The Identification of species of the Desulfovibrio genus, isolated in Georgia	Proceedings of the Georgian National Academy of Sciences. Biomedical Series	2014
Article	Fitzgerald-Hughes D, Bolkvadze D, Balarjishvili N, Leshkasheli L, Ryan M, Burke L, Stevens N, Humphreys H, Kutateladze M.	Susceptibility of extended-spectrum β -lactamase-producing Escherichia coli to commercially available and laboratory-isolated bacteriophages	Antimicrobial Chemotherapy	2014

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
Scholarship	Ilia Chavchavdze State University	2007

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
The 5th International One Health Congress	Bacteriophages against Bacillus anthracis bacterial strains isolated in Georgia	Saskatoon, Canada	2018

Scientific event name	Title of the presentation	Event venue	Year
18'th International symposium of the World Association of Veterinary Laboratory Diagnosticians	Bacillus anthracis-specific bacteriophages, isolation from soil samples and potential use	Sorrento, Italy	2017
Centennial Celebration of Bacteriophage Research	Additional confirmation of lytic nature of therapeutic Staphylococcal bacteriophage Sb-1	Paris, France	2017
Centennial Celebration of Bacteriophage Research	B. anthracis – biology and genome	Tbilisi, Georgia	2017
Centennial Celebration of Bacteriophage Research	Bacillus anthracis bacteriophages, isolated in Georgia	Tbilisi, Georgia	2017
Centennial Celebration of Bacteriophage Research	Characterisation of bacteriophages against multidrugresistant Acinetobacter baumannii	Tbilisi, Georgia	2017
The international conference of Bacillus ACT2017	Genomic characterization of three novel Bacillus Basilisk-like phages infecting Bacillus anthracis	Victoria, Canada	2017
ASM Biodefence and Emerging Diseases Research Meeting	Bacteriophages Against Bacillus anthracis	Washington DC, USA.	2016
International conference of Bacteriophages and Probiotics-Alternatives to Antibiotics	Bacteriophages against multidrug resistant bacterial infections	Vienna, Austria	2016
4th International One Health Congress & 6th Biennial Congress of the International Association for Ecology & Health	Bacteriophages against Francisella tularensis	Melbourne, Australia	2016
Bacteriophages as tools for therapy, prophylaxis and diagnostics	Identification of Desulfovibrio spp. Isolated in Georgia and study of the role of temperate bacteriophages in metal reduction	Tbilisi, Georgia	2015
The 7th International Conference on Bacillus anthracis, B.cereus and B. thuringiensis	Bacteriophages against Bacillus anthracis	New Delhi, India	2015
The 7th International Conference on Bacillus anthracis, B.cereus and B. thuringiensis	Investigation on Bacillus anthracis circulating in Bangladesh through the analysis of soil samples in areas at risk and imported animal feed	New Delhi, India	2015
Novel antimicrobial agents and strategies for pathogen control	Study of role of bacteriophages in metal reduction by sulfate reducing bacterial strains isolated in Georgia	Hungary	2014
EMBO Conference on Viruses of Microbes III: Structure and Function – from molecules to Communities	Bacteriophages of Sulfate Reducing Bacteria	Swiss Federal Institute of Technology (ETH), Zurich, Switzerland.	2014
International conference of Bacteriophages and Probiotics-Alternatives to Antibiotics	Biodiversity of Georgian Isolates of Sulfur-Reducing Bacteria and Identification of Virulent Bacteriophages against SRB	G. Eliava Institute of Bacteriophages, Microbiology and Virology, Tbilisi, Georgia	2012

Productivity index

#	Citation index	h-index
Google scholar	23.00	3.00
Scopus	20.00	3.00