

CURRICULUM VITAE (CV)



SURNAME: TEVDORADZE

FIRST NAME: EKATERINE

Date and place of birth: March 2, 1974, Tbilisi, Georgia

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ACADEMIC STUDIES

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| 2013 | PhD in Life Sciences. Ilia State University, School of Natural Sciences and Engineering, Tbilisi, Georgia |
| 2007 - 2013 | PhD student, Molecular Biology. Ilia State University. Department of Arts and Sciences, Tbilisi, Georgia |
| 1998-2002 | Post graduate student – Microbiology. Tbilisi State University, Tbilisi, Georgia |
| 1992- 1998 | B.Sc. in Biology. Faculty of Biomedical Ecological Genetics. Tbilisi State University, Tbilisi, Georgia |

Ekaterine Tevdoradze

ACADEMIC APPOINTMENTS

Ilia State University, School of Natural Sciences and Engineering, Institute of Chemical Biology

2016-at present associate professor in Molecular Microbiology and Virology

G. Eliava Institute of Bacteriophages, Microbiology and Virology, Tbilisi, Georgia

2009-2015	Head of Biosafety committee
2006 - 2015	Senior Scientist
2004 -2006	Junior research worker
2002 - 2004	Senior Laboratory Assistant

SPECIALIZATION:

Main field: Microbiology, Molecular Biology, Genome Research, Phage Research.

LANGUAGES:

Georgian, Russian, English.

Professional experience in western laboratories:

1. 2014 (March-April) –
Welsh School of Pharmacy and Pharmaceutical Sciences, Cardiff University, Cardiff, Wales, UK (Project FP7)
2. 2012 (May-June), 2011 (October) -
Center for Environmental Biotechnology, Lawrence Berkeley National Laboratory, Berkeley, CA, USA (STCU P448).
3. 2011(October-November), 2010 (June) -
Louisiana State University (LSU) AgCenter, Baton Rouge, LA, USA. DTRA (GG-17).
4. 2014 (April-May), 2011 (June-July), 2007 (Sept-Oct) -
Hellenic Center of Marine Research (HCMR), Crete, Greece (FP7).
5. 2005 (Jan-march), 2004 (June-August), -
Department of Biochemistry and Cell Biology, Rice University, Houston, TX, USA (BTEP G595).

Participation:

International scientific projects -

1. 2014-2016 – DTRA/CRDF 60353 - Center for Pathogen Research and Education (CPRE)
2. 2013-2015 - DTRA/CRDF, "Characterization of mechanisms of adaptive phage-host co-evolution using next generation sequencing and phenotypic profiling".
3. 2013-2015 - FP7 "Anthrax environmental decontamination network".
4. 2013-2015 -DTRA GG19, Epidemiology of *F.tularensis* in Georgia.
5. 2012-2013 – STAP- BPG#02/12 – Bacteriophage as a safe and cost effective decontamination alternative.
6. 2011-2012 - DTRA TAP3 - Comparative whole genome sequencing of diagnostic Brucella phages.
7. 2010-2013 - FP7 MARIE CURIE INTERNATIONAL RESEARCH STAFF EXCHANGE SCHEME – International net for phage therapy in aquaculture-aquaphage.
8. 2010-2012 - STCU P448 – Study of the role of bacteriophages in the biology of sulfatereducing bacteria.
9. 2008-2011-CBR project GG17.
10. 2009-2010 - Novozyme project-Identification and basic characterization of bacteriophages against bacterial strains that cause malodour.
11. 2007-2008 - Ministry of Agriculture of Greece. Isolation and characterization of Bacteriophages against Fish pathogens. Hellenic Center of Marine Research (HCMR). Crete, Greece
12. 2007-2008 - CF-1, grant from PhageBiotics Foundation, USA “Characterization of bacterial strains isolated from the patients with CF in Georgia and Clinical examination after phage therapy”
13. 2005-2009 - CRDF-GEB2-1958-TB-05 (DTRA GG-13) “Isolation, distribution, and biodiversity of selected vibrios and their bacteriophages from aquatic environments in Georgia”.
14. 2004-2007 - ISTC G510 – Bacteriophages against antibiotic resistant Staphylococcus aureus and Pseudomonas aeruginosa infections.
15. 2001-2004 - BTEP G595 – Analysis of “phage-specific” potentially lethal genes and study of antibacterial activity of “killer” proteins.

International meetings - 32 international scientific forums and conferences.

Publications:

1. Margvelani G., Meparishvili M., Tevdoradze E., McCabec B.J., and Solomon R. **Mitochondrial fusion and fission proteins and the recognition memory of imprinting in domestic chicks**. Received 29 July 2017 accepted 21 August 2017 *NeuroReport* **2017**
2. Antadze I., Dadunashvili M., Burbutashvili T., Gunia S., Balarjishvili N., Tevdoradze E., Pataridze T., Obiso R., Hagius S., Elzer F., Kutateladze M. **Diversity of phage-host specificity in Brucella phage**. *Journal of Bacteriology and Mycology* **2017**
3. Tevdoradze E., Farlow J., Kotorashvili A., Skhirtladze N., Antadze I., Gunia S., Balarjishvili N., Kvachadze L., Kutateladze M. **Whole genome sequence comparison of ten diagnostic brucellaphages propagated on two Brucella abortus hosts**. *Virology Journal* (2015) 12:66 DOI 10.1186/s12985-015-0287-3
4. Баларджишвили Н.Ш., Квачадзе Л.И., Кутателадзе М.И., Месхи Т.Ш., Патаридзе Т.К., Беришвили Т.А., Тевдорадзе Е.Ш.. **Изучение новых вирулентных бактериофагов, активных против множественно-резистентных штаммов Pseudomonas aeruginosa**. *Прикладная Биохимия и Микробиология* (2015) т.51. №6. с.1-10.
5. Tevdoradze E., Kvachadze L., Kutateladze M., Stewart C.R. **Bactericidal Genes of Staphylococcal Bacteriophage Sb-1**. *Current Microbiology* (2013) 68(2):204-210. DOI 10.1007/s00284-013-0456-9.
6. Kvachadze L., Balarjishvili N., Meskhi T., Tevdoradze E., Skhirtladze N., Pataridze T., Adamia R., Topuria T., Kutter E., Rohde C., Kutateladze M. **Evaluation of lytic activity of staphylococcal bacteriophage Sb-1 against freshly isolated clinical pathogens**. *Microbial Biotechnology* (2011) 4(5):643-650