

Keti Sidamonidze Bio — BOHRN

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Personal Statement:

POSITIONS AND EMPLOYMENT: Senior Specialist, National Center for Disease Control & Public Health, R.G. Lugar Center for Public Health Research, Department of Virology, Molecular Biology and Genome Research.

EDUCATION: MD, Graduated from the Tbilisi State Medical University, Faculty of Medicine (1995-2002); Ph.D. in Public Health (Tbilisi State University 2018); Postdoctoral Fellowship of Fogarty New York State International Training Program (2008-2009).

INTERNATIONAL ACTIVITIES: CBR GG-17, GEB2-1962-TB-08– “Clinical, Epidemiologic and Laboratory Based Assessment of Brucellosis in Georgia”, WRAIR-NCDC project CBCALL12-DIAGB1-2-0194 “Collaborative Genetic Characterization of NCDCPH Strain Collection of B.anthraxis, Brucella spp., Francisella tularensis and Yersinia pestis” (2012); Proof-of-Principle Antimicrobial Resistance Routine Diagnostics Surveillance Study in Georgia, WHO, (2017); Global Fund Grant # GEO-607-Go4-M (2007-2012) To prevent malaria Outbreaks, to reduce malaria morbidity and the number of active malaria foci, And to reduce potential threats caused by malaria, PCR Specialist (2005-2010); Isolation and Characterization of Probiotics That Selectively grows on Milk oligosaccharides, STCU P-509 (2011-2013); Epidemiology of Clostridium difficile-associated disease in Georgia. (ISTC) G-1759p (2014); Distribution and Diversity of Bartonella pathogens among people and Animals In Georgia and evaluation of factors associated with the emergence of Bartonellosis (ISTC), #G-1683p (2014); Conducting Disease Surveillance Project on Hospital-Acquired Infections and Antimicrobial resistance (HAI/AMR) (2014); Environmental Decontamination Network project, FP7(2014); Researcher, Laboratory trainer on genotyping techniques in the TADR Activity Project (TAP10) – “NCDC Lugar Center Regional Integration: Kafkas University Partnering for Molecular Epidemiology of B. anthracis and Brucella species in Turkey”(2014); Rabies Diagnostics and Enhanced Surveillance in the Republic of Georgia GDD/CDC (2012); Epidemiology of Carbapenem resistant Enterobacteriaceae in Georgia ISTC, (2017-present);

Understanding the Risk of Bat-Borne Zoonotic Disease Emergence in Western Asia, BAA, DTRA (2017-present); Seroprevalence of zoonotic pathogens among veterinarians and animals – comparative analysis in Georgia and Jordan (2015-2017); CBR GG27 - “ Regional Study of the Ecology of Anthrax Foci in Georgia and Azerbaijan” (2015-2017).

PUBLICATIONS:

Real-Time PCR Assay for Identification of *Blastomyces dermatitidis* in Culture and in Tissue. by Ketevan Sidamonidze, Marcia Peck, Michael Perez, Dennis Baumgardner, Gerald Smith, Vishnu Chaturvedi, and Sudha Chaturvedi, publication, JCM00310-12R1

Development of three quantitative real-time PCR assays for the detection of *Rickettsia raoultii*, *Rickettsia slovaca*, and *Rickettsia aeschlimannii* and their validation with ticks from the country of Georgia and the Republic of Azerbaijan. Jujianga, Brian J. Youa, Evan Liua, Anisha Aptea, Tamasin R. Yarinaa, Todd E. Myersa, John S. Leeb, Stephen C. Francesconia, Monica L. O’Guinnb, Nikoloz Tsertsvadze, Nino Vepkhvadze, Giorgi Babuadze, Ketevan Sidamonidze, Ticks and tick born Diseases 3 (2012) 236-330; Elsevier

Molecular Phylogeny of Hantaviruses Harbored by Insectivorous Bats in Côte d’Ivoire and Vietnam. Viruses HunGu Se., Lim B. K., Kadjo B., Ara S., Kim J., Nicolas V., AudeLalis, Denys C., Cook J. A., Dominguez S. R., Holmes K. V., Urushadze L., Sidamonidze K., Putkaradze D., Kuzmin I. V., Kosoy M. Y., Jin-Won Song, Yanagihara R; 2014, 6

Expansion of brucellosis detection in the country of Georgia by screening household members of cases and neighboring community members Lia Sanodze, Christian T Bautista, Natalia Garuchava, Svetlana Chubinidze, Ekaterine Tsertsvadze, Mariam Broladze, Nazibrola Chitadze, Ketevan Sidamonidze, Shota Tsanava, Tamar Akhvlediani, Robert G Riva, Rupal Mody, Matthew J Hepburn, Philip H Elzer, Mikeljon P Nikolich and Nino Trapaidze* [≡] Rabies in Georgia, 2011 (Georgia, Gardabani region, Village of Nazarlo) August 2011 – December 14. M. Nikolaishvili T. Tushishvili K. Sidamonidze M. Geleishvili E. Maes T. Rush.
<http://dx.doi.org/10.1016/j.ijid.2012.05.658>

EPIDEMIOLOGY AND MOLECULAR TYPING OF BRUCELLA STRAINS CIRCULATING IN GEORGIA. [Journal Article] Sidamonidze K, Ramishvili M, Kalandadze I, et al. Georgian Med News 2015 Oct; (247):58-63.

Genome Sequences of Human and Livestock Isolates of *Brucella melitensis* and *Brucella abortus* from the Country of Georgia. Sidamonidze K, Hang J, Yang Y, et al. Genome Announc. 2017 Feb; 5(6): e01518-16.

Seroepidemiology and molecular diversity of *Leishmania donovani* complex in Georgia Parasit Vectors; 2016 May 13; 9 (1):279.

The Fecal Microbial Community of Breast-fed Infants from Armenia and Georgia. Lewis ZT, Sidamonidze K, Tsaturyan V, Tsereteli D, Khachidze N, Pepoyan A, Zhgenti E, Tevzadze L, Manvelyan A, Balayan M, Imnadze P, Torok T, Lemay DG, Mills DA.

Molecular Typing of Brucella Species Strains from Georgia and Turkey Sidamonidze K, Su W, Zhgenti E, Buyuk F, Sahin M, Trapaidze N, Imnadze P, Nikolich MP, Obiso R and Kotorashvili A*

Prevalence, diversity, and host associations of Bartonella strains in bats from Georgia (Caucasus) Urushadze L, Bai Y, Osikowicz L, McKee C, Sidamonidze K, Putkaradze D, Imnadze P, Kandaurov A, Kuzmin I, Kosoy M (2017) Prevalence, diversity, and host associations of Bartonella strains in bats from Georgia (Caucasus). PLOS Neglected Tropical Diseases 11(4): e000542 Pilot surveillance of Clostridium difficile infections among patients with diarrhoea in medical facilities of Tbilisi, Georgia D. TSERETELI, K. SIDAMONIDZE, M. TSERETELI, G. CHAKHUNASHVILI, E. ZHGHENTI, L. MALANIA, G. DUMYATI, D. L. MORSE. Croatian Journal of Infection 36:3-4, 99–104 (2016)

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