

## Curriculum Vitae

**MICHAEL Y. KOSOY**

KB One Health LLC

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### EDUCATION

- Ph.D. (1987) Gamaleya Institute of Epidemiology and Microbiology, Moscow, Russia  
(Epidemiology/Biology)
- M.S. (1978) Mechnikov Odessa State University, Department of Biology, Odessa, Ukraine  
(Biology)

### PROFESSIONAL HISTORY

Founder and Research Biologist (12/18-present)  
KB One Health LLC, Fort Collins, Colorado

Chief of Bartonella, Rodent-Borne and Wildlife Diseases Laboratory (1/07-5/19)  
Bacterial Diseases Branch, Division of Vector-Borne Diseases, National Center for Emerging  
and Zoonotic Infectious Diseases, CDC, Fort Collins, Colorado

Global Disease Detection Technical Support Corps Member (7/09-9/18)  
Division of Global Disease Detection and Emergency Response (GDDER), Center for Global  
Health, CDC

Research Biologist (1/03-1/07) and Senior Staff Fellow (5/99-1/03)  
Bacterial Zoonoses Branch, Division of Vector-borne Infectious Diseases, National Center for  
Infectious Diseases, CDC, Fort Collins, Colorado

Research Fellow (1/96-5/99)  
Viral and Rickettsial Zoonoses Branch, Division of Viral and Rickettsial Diseases, National  
Center for Infectious Diseases, CDC, Atlanta, Georgia

Research Fellow (4/94-1/96)  
Special Pathogens Branch, Division of Viral and Rickettsial Diseases, National Center for  
Infectious Diseases, CDC, Atlanta, Georgia

Research Biologist (4/79-12/87) and Senior Research Biologist and Epidemiology Team Leader  
(12/87-9/93) Viral Zoonoses Branch, Institute of Epidemiology and Microbiology, Medical  
Science Academy, Vladivostok, Russia

Director and Supervisory Research Biologist (10/91-7/93)

The Far-Eastern Laboratory of Epizootiology and Ecological Pathology of Animals,  
Vladivostok, Russia

#### JOB-RELATED TRAINING COURSES

Special Pathogens and Zoonoses in Public Health.

*State Caucasian Plague Control Institute, Stavropol, Russia (September 1992-December 1992)*

Current Concepts of Immunology.

*The Education Committee of the National Center of Infectious Diseases, Training and Career Development Branch, CDC, Atlanta, Georgia (February 1997-May 1997)*

Scientific Ethics Training.

*U. S. Department of Health and Human Services. Public Health Service (April 2000)*

Orientation to Grants Administration for Program Officials.

*U. S. Department of Health and Human Services. Office of the Secretary (August 2000)*

Fundamentals of Microbiology.

*Science Education Committee, Centers for Disease Control and Prevention (January 2001-April 2001)*

#### HONORS

- 1996 U.S. Department of Health and Human Services Secretary's Award for Extraordinary and Outstanding Team Effort in Mounting a Multi-faceted Response to the Ebola Hemorrhagic Fever Epidemic in Kikwit, Zaire in May 1995. Washington, D.C.
- 1997 National Center for Infectious Diseases Commissioned Corp Award for Outstanding Unit Citation (Civil Service Employee). The NCID Recognition Awards, Atlanta, Georgia
- 2003 Award of the Secretary of Health and Human Services for Distinguished Service for Tularemia Response Working Group effort to define and limit the spread of potentially dangerous bioterrorism pathogens through large-scale sale of ill exotic pets. Washington, D.C.
- 2009 The paper entitled "*Bartonella tami* sp. nov., A Newly Recognized Pathogen Isolated from Three Human Patients from Thailand" was nominated for the Charles C. Shepard Science Award for demonstrating excellence in science in the category 'Laboratory and Methods'. Atlanta, Georgia.

#### SCIENTIFIC PRESENTATIONS

The American Society of Tropical Medicine and Hygiene's 45<sup>th</sup> (Baltimore, Maryland, 1996), 46<sup>th</sup> (Lake Buena Vista, Florida, 1997), 47<sup>th</sup> (Washington, D.C., 1999), 50<sup>th</sup> (Atlanta, Georgia, 2001), 53<sup>rd</sup> (Miami Beach, Florida, 2004), 55<sup>th</sup> (Atlanta, Georgia, 2006), 56<sup>th</sup> (Philadelphia, Pennsylvania, 2007), 57<sup>th</sup> (New Orleans, Louisiana, 2008), 58<sup>th</sup> (Washington, D.C., 2009), 59<sup>th</sup> (Atlanta, Georgia, 2010) Annual Meetings;

Sesqui-Annual Meetings of the American Society for Rickettsiology and Rickettsial Diseases

(Asilomar, California, 1996; Big Sky, Montana, 2001, Asilomar, California, 2006);  
The 49<sup>th</sup> Annual Wildlife Disease Association Conference (Grand Teton, Wyoming, 2000);  
The International Conferences on Diseases in Nature Communicable to Man (Helena, Montana, 1994; Logan, Utah, 1999; Fort Collins, Colorado; 2000; Vancouver, British Columbia, 2002; Flagstaff, Arizona, 2003; Calgary, Alberta, 2005; San Antonio, Texas 2006; Madison, Wisconsin 2007; Fairbanks, Alaska, 2010);  
The International Conference on Emerging Infectious Diseases (Atlanta, Georgia, 1998, 2000, 2006, 2010, 2012);  
The 2<sup>nd</sup> and 4<sup>th</sup> International Symposiums on HFRS and Hantaviruses (1991, 1998);  
American Southwest Workshop on Landscape Ecology of Plague (Fort Collins, Colorado, 2000);  
The 4<sup>th</sup> International Conference on Emerging Zoonoses (Ames, Iowa, 2003);  
The 2<sup>nd</sup> (Big Sky, Montana, 2001; 4<sup>th</sup> (Uppsala, Sweden, 2004), 5<sup>th</sup> (Asilomar, California, 2006), 6<sup>th</sup> (Chester, UK, 2009), and 7<sup>th</sup> (Raleigh, North Carolina) International Conferences on Bartonella as Emerging Pathogens;  
International Plague Meeting “Plague: Bacteriology, Evolution, Ecology, Epidemiology, and Its Impact on Human History” (Oslo, Norway, 2005);  
First International Conference on Infectious Disease Dynamics (Asilomar, California, 2008);  
The 5<sup>th</sup> International Congress of Vector Ecology (Antalya, Turkey, 2009);  
Workshop on Rodents Survey: from Trapping to Pathogen Screening (Bangkok, Thailand, 2012);  
DTRA/NSF/NGA Algorithm Workshop (San Diego, California, 2012);  
ASM Biodefense and Emerging Diseases Meeting (DC Washington, 2013);  
The 15<sup>th</sup> Annual International Conference on Sustainable Development on ONE Health (Khon Kaen, Thailand, 2014).

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Society of Tropical Medicine and Hygiene (current)  
American Society for Microbiology (past)  
International Conference on Diseases in Nature Communicable to Man (past President)

## EDITORIAL ACTIVITIES

**Editorial Board member:** Applied and Environmental Microbiology, Integrative Zoology; Conference Papers in Microbiology.

**Reviewer:** The American Journal of Tropical Medicine & Hygiene, the American Journal of Pathology, Applied and Environmental Microbiology, BMC Genomic Research, BMC Research Notes, Clinical Microbiology Reviews, Clinical Infectious Diseases, Epidemiology and Infection, FEMS Immunology & Medical Microbiology, Journal of Clinical Microbiology, Journal of Emerging Infectious Diseases, Infection and Immunity, Integrative Zoology,

International Journal of Systematic and Evolutionary Microbiology, Acta Tropica, Journal of Medical Microbiology, Journal of Medical Virology, Journal of Wildlife Diseases, Journal of Biogeography, Lancet, Microbiology, Medical Microbiology and Immunology, Multidisciplinary Journal of Microbial Ecology, Molecular Ecology, Oecologia, Parasitology, Parasites & Vectors, PLoS One, PLoS Neglected Tropical Diseases, Ticks and Tick-Borne Diseases, Vaccine, Vector Borne and Zoonotic Diseases, Veterinary Microbiology, Veterinary Research, Zoonoses and Public Health.

## INTERNATIONAL ACTIVITIES

**Azerbaijan:** A U.S. Co-Principal Investigator on the DTRA-supported collaborative project on molecular epidemiology and ecology of *Yersinia* species with the Azerbaijan Republican Anti-plague Station named after S. Imamaliyev (2017-2019).

**Bangladesh:** Investigated rat population for presence of *Bartonella* in Dhaka and analyzed blood specimens from hospital-based febrile illness study (2007-2010).

**Canada:** collaboration with the National Microbiology Laboratory, Health Canada on *Bartonella*-related research (2002-2005) and with the School of Population and Public Health, University of British Columbia, Vancouver, British Columbia on investigation of commensal rats for multiple pathogens (2014-2015).

**P.R. China:** collaboration with Yunnan Institute of Epidemic Diseases Control and Research on plague in Yunnan Province (1999-2000); study on rodent-associated bartonellosis in Yunnan Province (2001-2002); participated at the workshop on vector-borne infectious diseases surveillance and control in Beijing (2007); collaboration with Chinese Academy of Inspection and Quarantine for understanding the key factors effecting introduction of zoonotic pathogens across oceans (2008-2010).

**D.R. Congo:** CDC response to the Ebola Fever outbreak (1995); investigation of fleas and rodents for vector-borne pathogens (2010-2012).

**Georgia (country):** Organization of the CDC Cooperative Agreement with NCDC&PH in Tbilisi on surveillance of flea-borne diseases (2013-2016); a foreign collaborator for the International Science and Technology Center (ISTS) Project (2013-2017); a U.S. Co-Principal Investigator on the DTRA-supported collaborative project on molecular epidemiology and ecology of *Yersinia* species with the R. Lugar Center for Public Health Research.

**Guatemala:** laboratory training of researchers from Universidad del Valle de Guatemala and CDC-IEIP on diagnostic of bartonellosis in bats, cats, cattle, and people (2010-2017).

**Peru:** Collaboration with Instituto Nacional de Salud and Universidad Nacional Mayor de San Marcos on vector-borne bacterial pathogens (2012-2018).

**Japan:** visiting professorship at the Nihon University, College of Bioresource Sciences, Department of Veterinary Medicine (2006).

**Kazakhstan:** collaboration with M. Aikimbaev's Kazakh Science Center for Quarantine and Zoonotic Diseases in Almaty on analyses of plague foci and plague strains in Kazakhstan and the U.S.A (1999-2014).

**Kyrgyzstan:** serve as a foreign collaborator for the ISTC project on investigation the Saridhaz natural focus of plague (2015-2018).

**Kenya:** participated in multiple projects on investigations of zoonoses in bats, rodents, cattle, and wildlife (2008-2014).

**Kosovo:** (former province of Yugoslavia), WHO response to Tularemia outbreak (2000).

**Russian Federation:** BTEP/ISTC project on characterization of *Bartonella* strains with Gamaleya Research Institute of Epidemiology and Microbiology in Moscow of the Russian Academy of Medical Sciences and Sechenov's Moscow Medical Academy (2003-2007)

**Thailand:** collaboration with Department of Entomology at the Armed Forces Institute of Medical Sciences in Bangkok on *Bartonella* (2002-2017); participation in study of febrile illness with International Emerging Infections Program in Bangkok and Ministry of Public Health in Thailand (2002-2012); collaboration with Kasetsart University on detection and identification of bartonella species in domestic and wildlife animals (2007-2008); organization of regional workshop in rodent survey (2012); principal investigator for the DTRA project of zoonotic infective endocarditis in Khon Kaen (2010-2015); and organization of the workshop on detection of *Bartonella* and other vector-borne bacterial pathogen in wildlife of Southeast Asia in Bangkok, 2017.

**Vietnam:** collaboration with Pasteur Institute in Ho Chi Minh City on investigation of rodent-borne diseases in Vietnam (2010-2015); principal investigator for the DTRA project of zoonotic infective endocarditis in Vietnam (2015-2016).

#### PUBLICATIONS:

Morand, S., Kosoy, M. (2019) Ecological and Evolutionary Aspects of Complex Relations Between Micro- and Macroparasites and Their Wild Animal Hosts. *Front .Vet. Sci.* 6: 496.

Rizzo, M.F., Osikowicz, L., Cáceres, A.G., Luna-Caipó, V.D., Suarez-Puyen, S.M., Bai, Y., Kosoy, M. (2019) Identification of *Bartonella rochalimae* in guinea pigs (*Cavia porcellus*) and fleas collected from rural Peruvian households. *Am. J. Trop. Med. Hyg.* 101(6):1276-1281. doi: 10.4269/ajtmh.19-0517.

Kosoy, M., Chomel, B. (2019) *Bartonella* Infections (Carrión's disease, cat scratch disease, trench fever). In: *Control of Communicable Diseases: Laboratory Practice*. <https://doi.org/10.2105/CCDML.2868.002>

Malania, L., Bai, Y., Khanipov, K., Tsereteli, M., Metreveli, M., Tsereteli, D., Sidamonidze, K., Imnadze, P., Fofanov, Y., Kosoy, M. (2019) *Janibacter* species with evidence of genomic polymorphism isolated from resected heart valve in a patient with aortic stenosis. *Infectious Dis. Report*, doi: 10.4081/idr.2019.8132

Kosoy, M., Bai, Y. (2019) *Bartonella* bacteria in urban rats: a movement from the jungles of Southeast Asia to metropolises around the globe. *Front. Ecol. Evol*, doi: 10.3389/fevo.2019.00088

McKee, C.D., Krawczyk, A.I., Sándor, A.D., Görföl, T., Földvári, M., Földvári, G.,

Dekeukeleire, D., Haarsma, A.-J., Kosoy, M.Y., Webb, C.T., Sprong H. (2019) Host phylogeny, geographic overlap, and roost sharing shape parasite communities in European bats. *Front. Ecol. Evol.*, doi.org/10.3389/fevo.2019.00069

Kosoy, M. Goodrich, I. (2019) Comparative ecology of *Bartonella* and *Brucella* infections in wild carnivores. *Front. Vet. Sci.*, doi.org/10.3389/fvets.2018.00322

Bai Y, Osinubi MOV, Osikowicz L, McKee C, Vora NM, Rizzo MR, Recuenco S, Davis L, Niezgoda M, Ehimiyein AM, Kia GSN, Oyemakinde A, Adeniyi OS, Gbadegesin YH, Saliman OA, Ogunniyi A, Ogunkoya AB, Kosoy MY. (2018) Human exposure to novel *Bartonella* species from contact with fruit bats. *Emerg Infect Dis.* 2018 Dec;24(12):2317-2323. doi: 10.3201/eid2412.181204.

McKee CD, Osikowicz LM, Schwedhelm TR, Maes SE, Ensore RE, Gage KL, Kosoy MY. (2018) Acquisition of *Bartonella elizabethae* by experimentally exposed Oriental rat fleas (*Xenopsylla cheopis*; Siphonaptera, Pulicidae) and excretion of Bartonella DNA in flea feces. *J Med Entomol.* doi: 10.1093/jme/tjy085

McKee, C.D., Osikowicz, L.M., Schwedhelm, T.R., Bai, Y., Castle, K.T., Kosoy, M.Y. (2018) Survey of parasitic bacteria in bat bugs, Colorado. *J. Med. Entomol.* 55(1): 237-241. doi: 10.1093/jme/tjx155.

McVea, D.A., Himsforth, C.G., Patrick, D.M., Lindsay, L.R., Kosoy, M., Kerr, T. (2018) Exposure to rats and rat-associated *Leptospira* and *Bartonella* species among people who use drugs in an impoverished, inner-city neighborhood of Vancouver, Canada. *Vector Borne Zoonotic Dis.* 2018 Jan 3. doi: 10.1089/vbz.2017.2179.

Zapata-Valdes, C., Avila-Flores, R., Gage, K., Holmes, J., Montenierr, J., Kosoy, M., Suzan, G. (2018) Mammalian hosts, vectors, and bacterial pathogens in communities with and without black-tailed prairie dogs (*Cynomys ludovicianus*) in northwestern Mexico. *J. Wildlife Dis.* 54(1)

Billeter, S.A., Osikowicz, L.M., Burns, J. E. Konde, L., Gonzales, B. J., Hu, R., Kosoy, M.Y. (2018) Molecular surveillance for *Bartonella*, *Borrelia*, and *Rickettsia* species in ticks from desert bighorn sheep (*Ovis canadensis*) and mule deer (*Odocoileus hemionus*) in southern California. *J. Wildlife Dis.* 54(1): 161-164.

Bai, Y., Osikowicz, L.M., Kosoy, M.Y., Eisen, R.J., Atiku, L.A., Mpanga, J.T., Boegler, K.A., Ensore, R.E., Gage, K.L. (2017) Comparison of zoonotic bacterial agents in fleas collected from small mammals or host-seeking fleas from a Ugandan region where plague is endemic. *mSphere.* 2017 Dec 20;2(6). pii: e00402-17. doi: 10.1128/mSphere.00402-17

Peterson, A.C., Ghersi, B.M, Alda, F., Firth, C., Frye, M.J., Bai, Y., Osikowicz, L.M., Riegel, C., Lipkin, W.I., Kosoy, M.Y., Blum, M.J. (2017) Rodent-borne *Bartonella* infection varies

according to host species within and among cities. *EcoHealth*. 14(4):771-782. doi: 10.1007/s10393-017-1291-4.

Kosoy, M., Reynolds, P., Bai, Y., Sheff, K., Ensore, R., Montenieri, J., Ettestad, P., Gage, K. (2017) Small-scale die-offs in woodrats support long-term maintenance of plague in the U.S. Southwest. *Vector-Borne Zoonotic Dis*. 17(9):635-644.

Kosoy, M., Kosoy, R. (2017) Complexity and biosemiotics in evolutionary ecology of zoonotic infectious agents. *Evolutionary Appl* DOI: 10.1111/eva.12503.

Kosoy, M., McKee, C., Albayrak, L., Fofanov, Y. (2017) Genotyping of *Bartonella* bacteria and their animal hosts: Current status and perspectives. *Parasitol*. 145(5):543-562.

McKee, C., Kosoy, M.Y., Bai, Y., Osikowicz, L.M., Franka, R., Gilbert, A., Boonmar, S., Rupprecht, C., Peruski, L.F. (2017) Diversity and phylogenetic relationships among *Bartonella* strains from Thai bats. *PLoS ONE* 12 (7): e0181696.

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 Negl Trop Dis* 11(4): e0005428.

Brook, C., Bai, Y., Yu, E., Ranaivoson, H., Shine, H., Dobson, A., Metcalf, C.J., Kosoy, M., Dittmar, K. (2017) Elucidating transmission dynamics and host-parasite-vector relationships for rodent-borne *Bartonella* spp. in Madagascar. *Epidemics* 20(5): 55-66.

Harms, A., Segers, F., Quebatte, M., Misl, C., Manfredi, P., Korner, J., Chomel, B., Kosoy, M., Maruyama, S., Engel, P., Dehio, C. (2017) Evolutionary dynamics of pathoadaptation revealed by three independent acquisitions of the VirB/D4 Type IV secretion system in *Bartonella*. *Genome Biol. Evol.* 9(3): 761-776.

Segers, F., Kesnerova, L., Kosoy, M., Engel, P. (2017) Genomic changes associated with the evolutionary transition of an insect gut symbiont into a blood-borne pathogen. *The ISME Journal*, 1-13. DOI: 10.1038/ismej.2016.201

López-Pérez, A. M., Osikowicz, L., Bai, Y., Montenieri, J., Rubio, A., Moreno, K., Gage, K., Suzan, G., Kosoy, M. (2017) Prevalence and phylogenetic analysis of *Bartonella* species of wild carnivores and their fleas in northwestern Mexico. *EcoHealth* 10.1007/s10393-017-1216-2

Faruque, L.M., Zaaman, R.U., Gurley, E. S., Massung, R. F., Alamgir, A.S.M., Galloway, R.L., Powers, A.M., Bai, Y., Kosoy, M., Nicholson, W. L., Rahman, R., Luby, S.P. (2017) Prevalence and clinical presentation of *Rickettsia*, *Coxiella*, *Leptospira*, *Bartonella* and chikungunya virus infections among hospital-based febrile patients from December 2008 to November 2009 in Bangladesh. *BMC Infectious Diseases*. 17:141; DOI 10.1186/s12879-017-

Bai, Y., Urushadze, L., Osikowicz, L., McKee, C., Kuzmin, I., Kandaurov, A., Babuadze, G., Natradze, I., Imnadze, P., Kosoy, M. (2017) Molecular survey of bacterial zoonotic agents in bats from the country of Georgia (Caucasus). PLoS One 12:e0171175.

Osikowicz, L.M., Billeter, S.A., Rizzo, M.F., Rood, M.P., Freeman, A.N., Burns, J.E., Hu, R., Juieng, P., Loparev, V., Kosoy, M. (2016) Distribution and diversity of *Bartonella washoensis* strains in ground squirrels from California and their potential link to human cases. Vector Borne Zoonotic Dis. 16 (11): 683-690.

Krueger, L., Bai, Y., Bennett, S., Fogarty, C., Sun, S., Kosoy, M. ... Cummings, R. (2016) Identification of zoonotic and vector-borne infectious agents associated with opossums (*Didelphis virginiana*) in residential neighborhoods of Orange County, California. Proc Vert Pest Conf Univ Calif Davis 268-279

Bai, Y., Gilbert, A.T., Fox, K., Kosoy, M. (2016) *Bartonella rochalimae* and *B. vinsonii* subsp. *berkhoffii* in wild carnivores from Colorado, USA. J. Wildlife Dis.

Kosoy, M., Bai, Y., Ensore, R., Rizzo, M.R., Bender, S., Popov, V., Albayrak, L., Chomel, B. (2016) *Bartonella melophagi* in blood of domestic sheep (*Ovis aries*) and sheep keds (*Melophagus ovinus*) from the southwestern US: Cultures, genetic characterization, and ecological connections. Vet. Microbiol. 190: 43-49

McKee, C.D., Hayman, D.T., Kosoy, M.Y., Webb, C.T. (2016) Phylogenetic and geographic patterns of bartonella host shifts among bat species. Infect. Genet. Evol. 44: 382-394.

Rudolf, I., Betášová, L., Bischof, V., Venclíková, K., Blažejová, H., Mendel, J., Hubálek, Z., Kosoy, M. (2016) Molecular survey of arthropod-borne pathogens in sheep keds (*Melophagus ovinus*), Central Europe. Parasitol Res. DOI: 10.1007/s00436-016-5175-2

Malania, L., Bai, Y., Osikowicz, L.M., Tsertsvadze, N., Katsitadze, G., Imnadze, P., Kosoy, M. (2016) Prevalence and diversity of *Bartonella* species in rodents from Georgia (Caucasus). Am. J. Trop. Med. Hyg. 95(2): 466-471. doi: 10.4269/ajtmh.16-0041

Mannerings, A.O., Osikowicz, L.M., Restif, O., Nyarko, E., Suu-Ire, R., Cunningham, A.A., Wood, J.L.N., Kosoy, M. (2016) Exposure to bat-associated *Bartonella* spp. among humans and other animals, Ghana. EID 22 (5): 922-924

Kandelaki, G., Malania, L., Bai, Y., Chakvetadze, N., Katsitadze, G., Imnadze, P., Nelson, C., Harrus, S., Kosoy, M. (2016) Human lymphadenopathy caused by ratborne *Bartonella*, Tbilisi, Georgia. Emerg. Inf. Dis. 22(3): 544-546



Khlyap, L.A., Kosoy, M., Popov, V.P., Cosson, J.F., Morand, S. (2016) Rats of the genus *Rattus* as hosts for natural focal infectious agents. *Med Parazitol (Mosk)*. Jan-Mar (1): 47-52.

Klangthong, K., Promsthaporn, S., Leepitakrat, S, Schuster, A.L., McCardle, P.W., Kosoy, M., Takhampunya, R. (2015) The Distribution and diversity of *Bartonella* species in rodents and their ectoparasites across Thailand. *PLoS One* 20 (10): e0140856. doi: 10.1371

Bai, Y., Rizzo, M.F., Alvarez, D., Moran, D., Peruski, L.F., Kosoy, M. (2015) Coexistence of *Bartonella henselae* and *B. clarridgeiae* in populations of cats and their fleas in Guatemala. *J Vector Ecol.* 40 (2): 327-332. doi: 10.1111/jvec.12171

Fernández-González, A.M., Kosoy, M.Y., Rubio, A.V., Graham, G.B., Montenieri, J.A., Osikowicz, L.M., Bai, Y., Acosta-Gutiérrez, R., Rafael Ávila-Flores, R., Gage, K.L., Suzán, G. (2015) Molecular survey of *Bartonella* spp. and *Yersinia pestis* in rodent fleas from Chihuahua, Mexico. *J Med Entomol* 1-7, doi: 10.1093/jme/tjv181

Rizzo, M.F., Billeter, S.A., Osikowicz, L., Luna-Caipo, D.V., Cáceres, A.G., Kosoy, M. (2015) Fleas and flea-associated *Bartonella* species in dogs and cats from Peru. *J. Med. Entomol.* 1–4; DOI: 10.1093/jme/tjv137

Anh, P.H., Van Cuong, N., Son, N.T, Tue, N.T., Kosoy, M., Woolhouse, M.E.J., et al. (2015) Diversity of *Bartonella* spp. in bats, southern Vietnam. *Emerg Infect Dis.* 21(7):

Halliday, J.E.B., Knobel, D.L., Agwanda, B., Bai, Y., Breiman, R.F., Cleaveland, S., Njenga, M.K., Kosoy, M. (2015) Prevalence and diversity of small mammal-associated *Bartonella* species in rural and urban Kenya. *PLoS Negl. Trop. Dis.* 9(3): e0003608. doi:10.1371/journal.pntd.0003608

Brook, C., Bai, B., Dobson, A., Osikowicz, L., Ranaivoson, H.C., Zhu, Q., Kosoy, M., Dittmar, K. (2015) *Bartonella* spp. in fruit bats and blood-feeding ectoparasites in Madagascar. *PLoS Negl. Trop. Dis.* 10 (2): e0003532.

Bai, Y., Hayman, D.T., McKee, C.D., Kosoy, M.Y. (2015) Classification of *Bartonella* strains associated with straw-colored fruit bats (*Eidolon helvum*) across Africa using a multi-locus sequence typing platform. *PLoS Negl. Trop. Dis.* 30; 9(1):e0003478. doi: 10.1371/journal.pntd.0003478

Kosoy, M., Khlyap, L., Cosson, J-F., Morand, S. (2015) Aboriginal and invasive rats of genus *Rattus* as hosts of infectious agents. *Vector-Borne Zoonotic Dis.* 15(1): 3-12

Morand, S., Jittapalapong, S., Kosoy, M. (2015) Rodents as hosts of infectious diseases: Biological and ecological characteristics. *Vector-Borne Zoonotic Dis.* 15(1): 1-2

Himsworth, C.G., Bai, Y., Kosoy, M., Wood, H., DiBernardo, A., Lindsay, Robbin, B.J., Tang, P., Jardine, C., Patrick, D. (2015) An investigation of *Bartonella* spp., *Rickettsia typhi*, and Seoul Hantavirus in rats (*Rattus* spp.) from an inner-city neighborhood of Vancouver, Canada: Is pathogen presence a reflection of global and local rat population structure? *Vector-Borne Zoonotic Dis.* 15(1): 21-26

Loan, H.K., Cuong, N.V., Takhampunya, R., Klangthong, K., Osikowicz, L., Kiet, B.T., Campbell, J., Bryant, J., Promstaporn, S., Kosoy, M., Hoang, N.V., Morand, S., Chaval, Y., Hien, V.B., Carrique-Mas, J. (2015) *Bartonella* species and Trombiculid mites of rats from the Mekong Delta of Vietnam. *Vector-Borne Zoonotic Dis.* 15 (1): 40-47

Olival, K., Dittmar, K., Bai, Y., Rostal, M.K., Lei, B.R., Daszak, P, Kosoy, M. (2015) *Bartonella* spp. in a Puerto Rican bat community. *J. Wildlife Dis.* 51 (1)

Rubio, A.V., Avila-Flores, R., Osikowicz, L.M., Bai, Y., Suzán, G., Kosoy, M. (2014) Prevalence and genetic diversity of bartonella strains in rodents from northwestern Mexico. *Vector Borne Zoonotic Dis.* 14 (12): 838-845

Bonilla, D.L., Cole-Porse, C., Kjemtrup, A., Osikowicz, L., Kosoy, M. (2014) Risk factors for human lice and bartonellosis among the homeless, San Francisco, California, USA. *Emer. Inf. Dis.* 20 (10): 1645-1651

Zhu, Q., Kosoy, M., Olival, K.J., Dittmar, K. (2014) Horizontal transfers and gene losses in the phospholipid pathway of *Bartonella* reveal clues about early ecological niches. *Genome Biol. Evol.* doi: 10.1093/gbe/evu169

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