

NAME Rosemary Sang	POSITION TITLE PINCIPAL RESEARCH SCIENTIST
COMMONS USER NAME	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Nairobi Kenya	BSc	1979	Entomology/Botany
University of Nairobi Kenya	MSc	1985	Medical Entomology
University of Nairobi Kenya	PhD	1996	Medical Entomology
Liverpool John Moores University UK	MSc	2008	Medical Virology

A. Position held: 2002-Date. Principal Research Scientist, Arbovirology/VHF Unit, CVR/KEMRI

B. Selected peer-review publications (in chronological order)

Mary Crabtree^{1*} **Rosemary Sang**², Jason Richardson³, and Barry Miller¹. 2009 Arbovirus surveillance at sites of active Rift Valley fever virus transmission in mosquitoes collected in Kenya, 2006-2007. J. med Entomol. (In Press)

Crabtree Mary B, **Sang Rosemary** and Miller Barry R (2009) Kupe Virus, a New Virus in the Family *Bunyaviridae*, Genus *Nairovirus*, Kenya. *Emm. Infect. Dis.* Volume 15, Number 2–February 2009.

Kariuki Njenga M, Nderitu L, Ledermann JP, Ndirangu A, Logue CH, Kelly CH, **Sang R**, Sergon K, Breiman R, Powers AM (2008) Tracking epidemic Chikungunya virus into the Indian Ocean from East Africa. *J Gen Virol.* 2008 Nov;89(Pt 11):2754-60.

Clayton O. Onyango,¹ Martin L. Opoka,² Thomas G. Ksiazek,⁷ Pierre Formenty,⁶ Abdullahi Ahmed,² Peter M. Tukei,³ **Rosemary C. Sang**,¹ Victor O. Ofula,¹ Samson L. Konongoi,¹ Rodney L. Coldren,⁵ Thomas Grein,⁶ Dominique Legros,⁶ Mike Bell,⁶ Kevin M. De Cock,⁴ William J. Bellini,⁷ Jonathan S. Towner,⁷ Stuart T. Nichol,⁷ and Pierre E. Rollin⁷ Laboratory Diagnosis of Ebola Hemorrhagic Fever during an Outbreak in Yambio, Sudan, 2004 *The Journal of Infectious Diseases* 2007;196:S193-S198. <http://www.journals.uchicago.edu/JID/journal/issues/v196nS2/38288/brief/38288.abstract.html - fn1#fn1>.

Rosemary C. Sang*, Ouledi Ahmed†, Ousmane Faye†, Cindy I.H. Kelly§, Ali Ahmed Yahayat, Ibrahim Mmadit, Ali Toilibout, Kibet Sergonδ, Jennifer Brown§, Naftali Agata†, Allarangar Yakouide†, Mamadou D. Ball†, Robert F. Breimanφ, Barry R. Miller§, and Ann M. Powers§ Entomologic Investigations of a Chikungunya Virus Epidemic in the Union of Comoros, 2005. *Am. J. Trop. Med Hyg.* 2008, Jan; 78(1):77-82.

Sergon K, Njuguna C, Kalani R, Ofula V, Onyango C, Konongoi LS, Bedno S, Burke H, Dumilla AM, Konde J, Njenga MK, **Sang R**, Breiman RF. Seroprevalence of Chikungunya Virus (CHIKV) Infection on Lamu Island, Kenya, October 2004. *Am J Trop Med Hyg.* 2008 ; 78(2):333-337.

Turell MJ, Lee JS, Richardson JH, **Sang RC**, Kioko EN, Agawo MO, Pecor J, O'Guinn ML. Vector competence of Kenyan *Culex zombaensis* and *Culex quinquefasciatus* mosquitoes for Rift Valley fever virus. *J Am Mosq Control Assoc.* 2007;23(4):378-82.

Centre for Disease Control and Prevention (CDC) Rift Valley fever outbreak – Kenya, November 2006-January 2007. *MMWR. Morb. Mortal. Wkl Rep.* 2007. Feb 2; 56(4): 73-6.

Brett BR, Wesson DM, **Sang RC**. Spatiotemporal distribution of diurnal Yellow Fever vectors (Diptera: Culicidae) at two sylvatic interphases in Kenya: East Africa. *Vector Borne Zoonotic Diseases*. 2007 (2) 129-42.

Lutomiah JL, Mwandawiro C, Magambo J, **Sang RC**. Infection and vertical transmission of Kamiti river virus in laboratory bred *Aedes aegypti* mosquitoes. *Journal of Insect Science*. 7 (55): 2007.

Kibet Sergon, Ali Ahmed Yahaya, Jennifer Brown, Said A. Bedja, Mohammed Mlindasse, Naphtali Agata, Yokouide Allaranger, Mamadou D. Ball, Ann M. Powers, Victor Ofula, Clayton Onyango, Limbaso S. Konongoi, **Rosemary Sang**, M. Kariuki Njenga, and Robert F. Breiman. 2007. Seroprevalence of Chikungunya virus infection on Grande Comore island, Union of the Comoros, 2005. *Am. J. Trop. Med. Hyg.*, 76(6), 2007, pp. 1189-1193.

Jean-Paul Chretien*, Assaf Anyamba, Sheryl A. Bedno, Robert F. Breiman, **Rosemary Sang**, Kibet Sergon, Ann M. Powers, Clayton O. Onyango, Jennifer Small, Compton J. Tucker, and Kenneth J. Linthicum. Drought-associated Chikungunya emergence along coastal east Africa, *Am J Trop Med Hyg.* 2007; 76: 405-407.

Sang RC¹, Onyango C¹, Gachoya J¹, Mabinda E¹, Konongoi S¹, Ofula V¹, Dunster L¹ Okoth FA¹, Coldren R², Tesh, RB³, Wang, DL⁴, Crabtree MB⁵, Miller BR⁵ (2006) Tickborne arbovirus surveillance in market livestock: Nairobi, Kenya *Emerg Infect Dis* 12 (7) 1074 - 80. Jul 2006.

Midega JT, Nzovu J, Kahindi S, **Sang RC** and Mbogo C. (2006) Application of the pupal/demographic-survey methodology to identify key container habitats of *Aedes aegypti* (L) in Malindi district, Kenya. *Ann Trop Med Parasitol*. 2006 Apr;100 Suppl 1:S61-S72.

1. C. Research Support

Recently concluded projects.

1. A comparative study of populations of *Aedes aegypti* in dengue endemic and non endemic areas of Kenya. Funded by UNDP/WHO/TDR Project A20315.
2. Inter-epidemic yellow fever ecology in Kenya, East Africa. Funded through Tulane University, New Orleans, LA, USA.

Ongoing Projects.

Title; Arbovirus Surveillance: Surrogate Epidemiologic Methods to Assess Arboviral Infection Distribution by Entomological Surveillance. Nov 2006 - Nov 2010. WRAIR

Title; Acute Febrile Illness in Kenya. Etiologies. Jan 08 - Jan 2010. WRAIR

Title; An Integrated Response System for Emerging Infectious Disease in East Africa. GOOGLE 2009 – 2012.