OMB No. 0925-0001/0002 (Rev. 08/12 Approved Through 8/31/2015)

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| BIOGRAPHICAL SKETCH Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | |
|  | | | | |
| NAME  William B. Karesh | | POSITION TITLE  Executive Vice President for Health and Policy, EcoHealth Alliance | | |
| eRA COMMONS USER NAME (credential, e.g., agency login)  Karesh | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY |
| Clemson University, SC  University of Georgia, GA  Zoological Society of San Diego | BS  DVM  Residency | | 05/77  05/82  05/84 | Biology  Veterinary Medicine  Wildlife Health |
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A. Personal Statement

As a wildlife veterinarian and infectious disease specialist, I have worked on wildlife disease investigations over the past twenty-five years in over 50 countries, and I have strong technical background in targeted surveillance, wildlife sampling design, specimen collection and international collaborative research. I have worked with government agencies and Inter-governmental organizations to design sound, evidence-based policy and regulations. In relationship to disease risk and the international movement and trade of wildlife products, I serve as the President of the OIE (World Organisation for Animal Health) Working Group on Wildlife Diseases. In addition, I have extensive experience directing projects requiring high levels of coordination among multiple institutions. I served as Technical Director of the $75M USAID Emerging Pandemics Threats PREDICT program, in which I provide general program leadership as well as oversee disease surveillance in wildlife for emerging human pathogens in over 20 countries. The program has collected over 350,000 specimens from a wide range of wild species, yielding detection of over 900 novel viruses to date. In my role as Chief of Party for the USAID-funded $8M Global Avian Influenza Network for Surveillance of Wild Birds (2004-2009), I designed, organized and managed the implementation of a wildlife disease surveillance network operating in 34 countries and involving dozens of government agencies, NGOs, universities and private businesses around the world. Additionally, I have been highly involved with MERS-CoV and Ebola response efforts, both directly with local governments as well as through my appointments to the World Health Organization and FAO.

B. Positions and Honors

**Positions and Employment**

1989-2007 Director, International Field Programs, Wildlife Conservation Society

2004- P Co-Chair, Wildlife Health Specialist Group, IUCN, Switzerland

2005-2006 Advisor/Consultant, Food and Agriculture Organization of the U.N.

2006-2009 Chief of Party, USAID Global Avian Influenza Network for Surveillance

2006- P Consultant/Advisor, Bio Economics Research Associates (Bio-ERA)

2008-2010 Vice President & Director, Global Health Programs, Wildlife Conservation Society

2008- P Adjunct Professor, Mount Sinai School of Medicine

2008- P President, Working Group on Wildlife Diseases, World Organisation for Animal Health (OIE)

2009- P Technical Director, USAID EPT PREDICT

2010- P Executive Vice President for Health & Policy, EcoHealth Alliance

2011- P Adjunct Faculty, Columbia University, Department of Ecology, Evolution and Biology

2013- P Appointment to the WHO International Health Regulation Roster of Experts

2013- P Appointment to the WHO MERS Informal Research Network

2013- P Appointment as a WHO Advisor to the Expert Panel on MERS

C. Selected Peer-reviewed Publications (selected from over 150 peer-reviewed publications)

1. Leroy, E.M., Rouquet, P., Formenty, P., Souquiere, S., Kilbourn, A., Froment, J.M., Bermejo, M., Smit, S., **Karesh, W.B.**, Swanepoel, R., Zaki, S.R., and Rollin, P.E. (2004) Multiple Ebola Virus Transmission Events and Rapid Decline of Central African Wildlife. *Science*, 303, 387-390. 14726594
2. **Karesh, W.B.**, Dobson, A., Lloyd-Smith J.O., Lubroth, J., Dixon, M.A., Bennett, M., Aldrich, S., Harrington, T., Formenty, P., Loh, E.H., Machalaba, C.C., Thomas, M.J., Heymann, D.L. (2012) Ecology of zoonoses: natural and unnatural histories. *Lancet*, 380(9857),1936-45. 23200502
3. **Karesh, W.B.**, Cook, R.A., Bennett, E.L., Newcomb, J. (2005) Wildlife trade and global disease emergence. *Emerging Infectious Diseases*, 11(7), 1000-2. PMC3371803
4. Smith, K.M., Anthony, S.J., Switzer, W.M., Epstein, J.H., Seimon, T., Jia, H., Sanchez, M.D., Huynh, T.T., Galland, G.G., Shapiro, S.E., Sleeman, J.M., McAloose, D., Stuchin, M., Amato, G., Kolokotronis, S.O., Lipkin, W.I., **Karesh, W.B.**, Daszak, P., Marano, N. (2012). Zoonotic viruses associated with illegally imported wildlife products. *PLoS One*, 7(1), e29505. PMC3254615

D. Research Support

**Ongoing Research Support**

USAID EPT PREDICT Mazet (PI) 10/01/09 - 09/30/2014

Oversee and coordinate zoonotic disease surveillance and pathogen discovery activities in twenty developing countries, provide leadership across the $75M PREDICT program, and liaise with management teams of other EPT programs. The program has built a coalition of organizations, university scientists, foreign government agencies and laboratories to enhance capacity for surveillance of emerging human pathogens of wildlife origin, predictive modeling and information sharing for developing countries.

Role: Technical Director

USAID RDMA Daszak (PI) 10/1/2013 – 9/30/2016

Infectious Disease Emergence and Economics of Altered Landscapes (IDEEAL)

Economic assessment of emerging zoonoses as a consequence of development and land use change in Sabah, Malaysia.

Role: Policy Lead

New York Community Trust Karesh (PI) 06/11/13 – 06/10/2014

One Health in Action

Development and implementation of scientific investigations of zoonotic diseases related to wildlife trade and food safety in New York City.

Role: PI

US FWS Wildlife Without Borders Epstein (PI) 09/13/2012 – 09/13/2014

Development of a Great Ape Health Unit in Sabah, Malaysia

Role: Advisor