

Biosecurity and Biobanking Infrastructure Sub Faculty

Sub Themes:

- a. AID Biobank part of a Biosecurity Plan: the Ebola lesson
- b. Ethical/Regulatory Issues specifically for Africa
- c. The Legal and ethical framework developed by H3Africa in collaboration with B3Africa, BCNet and other networks working in Africa
- d. Ethical and legal guidelines in relation to biosecurity
- e. Biobanking Networks (H3Africa, etc.) and societies (ISBER, ESBB, BBMRI, etc.).
- f. Minimum characteristics to establish a Biobanking for EID (Emerging Infectious Disease) specimens in Africa

Biobanking Training Sessions:

- a. Problems of Handling and Processing AID Biospecimen in BSL3 and BSL4 Infrastructure in Africa b
- b. . IATA regulation for Shipping Class A Biospecimen

Members:



Pasquale De Blasio. I am an Engineer with several years of experience in industrial and academic positions at the international level. I was the Founder of the following Biobanking initiatives: (1) Integrated Systems Engineering S.r.l. (www.isenet.it), (present affiliation), involved EU Research Project in Management and Banking of Spem and iPS cells. ISENET, is also leader in Pathology Tissue and Cell Microarrays Technology; (2) BioRep Srl

(www.biorep.it), (up to 2011) largest European “Biorepository Service Provider” developed in collaboration with the “Coriell Institute for Medical Research USA (www.coriell.org).

I am also the Founder President of the “European, Middle-Eastern and African Society for Biopreservation and Biobanking” (www.esbb.org); and member of: H3Africa (www.h3africa.org), member of the “Marble Arch International Working Group of Biobanking Experts” and member of the “*International Society of Biological and Environmental Biorepositories*” (www.isber.org). I can contribute to the consortium activities in the organization and management of a Process Lab and Biorepositories activities and logistics and if needed on the design and realization of Clean Rooms (BL4/BL3), Labs and Biorepository infrastructure.



Dr. Jim Vaught spent 14 years (1999-2013) at the U.S. National Cancer Institute (NCI), most recently as the Chief of the Biorepositories and Biospecimen Research Branch (BBRB) in the Cancer Diagnosis Program. He has been working in the field of biorepository and biospecimen science for over 20 years. In 1999, he was one of the founding members of the International Society for Biological & Environmental Repositories (ISBER) and was its second President. He has provided biobanking consulting services to a number of organizations including: the US CDC; Shanghai Clinical Research Institute; and the National Marrow Donor Program. He serves on a number of biobank advisory groups including; the National Disease Research Institute Board of Directors; Telethon-Italy Genetic Biobank Network; and the Biobanques Network (France) Scientific Board.

He is the author of about 70 peer-reviewed articles and book chapters. From 2006 to 2012 he was Senior Editor for Biospecimens and Biorepositories for the AACR journal *Cancer Epidemiology*,

Biomarkers and Prevention. In 2012 he became Editor-in-Chief of *Biopreservation and Biobanking*, the official journal of ISBER. He is currently a Senior Research Fellow at the International Prevention Research Institute (Lyon).

Dr. Vaught is the immediate Past-President of ISBER and a member of the Board of Directors.



Julie R. Sinclair, MA, DVM, MPH, Dipl. ACVPM is the U.S. Centers for Disease Control and Prevention (CDC)/National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)/One Health Office's Liaison to the World Organisation for Animal Health (OIE). Prior to her current appointment,

Dr. Sinclair was a Senior Quarantine Veterinary Medical Officer in the CDC/NCEZID's Division of Global Migration and Quarantine where she served as both a medical officer and subject matter expert in zoonotic diseases, border health, and importation policies and regulations (June 2007 – January 2016). She received a Bachelor of Arts in Political Science from Kansas State University and a Masters of Arts in Near East Studies from Princeton University before joining the U.S. Peace Corps as a Small Animal Husbandry volunteer in Togo. She then interned with the Foreign Affairs and National Defense Division/Congressional Research Service/ U.S. Library of Congress before returning overseas as an Associate Logistic Officer/Junior Professional Officer with the United Nations' High Commissioner for Refugees in Malawi. In 1995 she returned to Kansas State University to pursue a Doctorate of Veterinary Medicine following which she practiced veterinary medicine in Bucks County, Pennsylvania. In 2003, she received a Masters of Public Health (Epidemiology) and a Vaccine Science Certificate

from Johns Hopkins University. Dr. Sinclair then worked as a research microbiologist on an *E. coli* O157:H7 tenderized beef project for the U.S. Department of Agriculture.

In 2004, she joined CDC and the U.S. Public Health Service as an Epidemic Intelligence Service Officer assigned to the West Virginia Department of Health and Human Resources. With CDC, she has deployed to India, Hurricane Katrina, Michigan (2009 H1N1 influenza school outbreaks), Haiti, Guinea, Cote d'Ivoire, and the Dominican Republic (U.S.S. Kearsarge) working on projects as varied as polio, cholera, animal health and immunization, human influenza, rabies, border health, and Ebola.