



European Virus Archive goes global (EAVg)

A European H2020 Research Project involving the Wuhan Institute of Virology

Background Information

Starting Date: 1st April, 2015	End Date: 31st March, 2019
France Contribution: EUR 11,800,000	
Participants: Université d'Aix-Marseille, Bernhard Nocht Institut für Tropenmedizin, Animal Health & Veterinary Laboratories Agency, Universitaetsklinikum Bonn, Public Health England, Universitaet Basel, Univerza vl Juhlani, Virologicky ustav slovenskej akademie vied, Istituto Nazionale Mmalattie Infettive LazzaroL. Spallanzani, Robert Koch Institut, Erasmus universitair medisch centrum Rotterdam, Academish ziekenhuis Leiden – Leids univesitair medisch centrum, Institute national de la santé et de la recherche médicale, Institut Pasteur, Friedrich Loeffler Institut – Bundesforschungsinstitut für Tiergesundheit, The Pirbright Institute, University of Texas Medical Branch – Centre biodefense & Emerging Infectious disease, Agricultural research council, National health laboratory services, Chumakov institute of Poliomyelitis and viral Encephalitides, Scientific research institute of influenza of the ministry of healthcare and social development of the Russian federation, I.I Mechnikov Scientific Research Institute for Vaccines and Sera, National institute for viral disease control and prevention, Chinese Center for Disease Control and Prevention, Wuhan Institute of Virology , Commonwealth scientific and industrial research organization.	

Objectives & Achievements

Viral isolations have contributed significantly to the research of virology and to develop antiviral agents. Such reagents are essential to enable the understanding of virus pathogenesis, and taxonomy and also for education, training and the generation of novel vaccines and antivirals. Generally research laboratories have accumulated collections of viruses that are primarily dependent on the



particular speciality of the laboratory. In 2009, an FP7 project called “European Virus Archive” (EVA) was granted to create a European network of high calibre centres with the appropriate expertise, to collect, amplify, characterise, standardise, authenticate, distribute and track, mammalian and other exotic viruses. The EVA project was very successful that the EVA web-based catalogue contains



1364 well-characterized viruses and about 2000 products to the scientific community. The current project European Virus Archive goes Global (EVAg) (2015-2019) is aim at the largest global virus collection network, by including an international group of 25 laboratories including; 16 EU member state institutions and 9 non-EU institutions. EVAg objectives will meet the needs of scientists, worldwide, by

generating a carefully authenticated animal virus collection that is larger than any existing repository, and readily available to all laboratories that meet approved ethical, safety and security standards. Wuhan Institute of Virology and Chinese Center for Disease Control and Prevention are the two Chinese partners of the project.

Profile of the Testimonial Speaker



Dr. Zhihong HU received her B.Sc. degree in Virology and Molecular Biology in 1986 from Wuhan University, China and an M.Sc. degree in Virology in 1989 from the Wuhan Institute of Virology of the Chinese Academy of Sciences. Thereafter, she became a member of the Wuhan Institute of Virology staff conducting research on insect viruses. In 1993 she was awarded the Mme. Marie Curie fellowship to carry out research on the molecular biology of insect viruses at the department of Virology, Wageningen Agricultural University in the Netherlands with Dr. Just M. Vlak. Later she obtained a sandwich fellowship from the University and graduated in 1998. She became a professor at the Wuhan Institute of Virology in 1997 and during 2000-2008 she had been the Director of the Institute. Currently she is the Director of Center for Bacteria and Virus Resources and Application, the Director of The China Centre for General Viruses Culture Collection, and the group leader of the research group of Systems Virology in Wuhan Institute of Virology, Chinese Academy of Sciences.

She participates in the EVAg project as the leading scientist of EAVg in Wuhan Institute of Virology. She is also one of the leaders of the Workgroups for Advancement Validation and Exchanges (WAVEs) in EAVg that in charge of Viruses for Biotechnology (WAVE9).

Quote

“Within a consortium of high calibre centres and excellent scientists, the benefits are incredible”.

—Dr. Zhihong HU