

❖ Name & Designation	: Ms. Roopali Rajput, Ph.D. Student.
❖ Address	: Dept. of respiratory Virology, VP Chest Institute, University of delhi.
❖ Name of the International Conference/ Seminar/Symposium/ Workshop	: 5 th ESWI influenza Conference-2014.
❖ Title of the abstract accepted	: Diagnosis of Human influenza A virus infection using single chain fragment variable antibody-based competitive inhibition ELISA.
❖ Date & Venue	: 14-17 th September 2014, Riga, Elizabetes.
❖ Money sanctioned	: Rs 1,00,000/-
❖ Money reimbursed	: Rs 51,650/-

Participation Report

-Organization of Training/Workshops (No. of participating countries, No. of sessions etc. (Not more than 100 words):

The Fifth ESWI Influenza Conference observed participation of more than 700 scientists, including 45 young scientists, from about 80 countries. The 14 sessions of the conference covered almost all the aspects of influenza virus research. Day I observed the Keynote lecture on history of highly pathogenic avian influenza by **Prof. Hans-Dieter Klenk**, University of Marburg, Germany. A variety of sessions held during the next three days of conference ranged from Clinical Impact & Diagnostic Approaches, Epidemics & Pandemics, Virus Structure & Replication, to Immunology, Mathematical Modeling, Vaccination approach in various groups and host factors in pathogenesis.

-Academic Highlights of the Training/Workshops, including major recommendations and the following:

(i) New Development presented at the Training/Workshops:

The talks by young researchers, **Dr. Mathew Miller**, **Dr. Damien Eckhart** (The Young Scientist: Best Paper Awardee) and **Dr. F. Krammer** were very motivating. Apart from this, the other sessions, especially **Clinical Impact and Diagnostic Approaches, Viral Structure and Replication, Viral Factors in Pathogenesis, Vaccines, Mathematical Modeling** proved very beneficial in upgrading the knowledge of participants, especially the young researchers like me, in the field of influenza viruses. The sessions instigated my mind for investigation of certain most important aspects in the viral pathogenesis, immune responses and host-pathogen interactions.

(ii) New Development resulting from the Training/Workshops (200 words):

During the conference, **Dr. Timo Vesikari**, one of the eminent scientists, showered light on the practical issues and loopholes in implementation of vaccination strategies and their efficacy for prevention and control of flu. **Dr. Nancy Cox**, Centers for Disease and Prevention, USA opened the satellite symposium on the review and statistical analysis of Oseltamivir data. The vaccines, although, considered cornerstone in flu management during the conference discussions, the symposium regarded antiviral drugs as crucial agents for treatment of viral infections. The discussions in the conference provided a collective approach and insights into recommended usage of various antiviral drugs and promotion of vaccination for better prevention & control of influenza virus infections worldwide. Apart from these, the Multiparty Group for Advice on Science (MUGAS) Foundation offered a ground-breaking satellite symposium on the review and statistical analysis of oseltamivir data.

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(iii) Name of the Publication in case your work is recommended for publications: Manuscript under preparation.

PARTICIPANT'S CONTRIBUTION TO THE TRAINING/WORKSHOP (100 WORDS):

I presented my Ph. D. thesis research work entitled “**Diagnosis of human influenza A virus infection using single chain fragment variable antibody-based competitive inhibition ELISA**” at the Fifth ESWI Influenza Conference. The work was recognized and appreciated for further development. Many researchers took lead from the conclusions of my research work and provided suggestions. The conference proved very beneficial for exchange of ideas and expertise in the influenza virus research. I was able to make important contacts with some of the very eminent scientists. I also attended the special event ‘**The Young Scientist Evening**’ for the Young Scientist Awardees, which helped me to immensely discuss & share research ideas with fellow researchers for onward research in the subject.