ICMR-International Travel Support for Non-ICMR Scientists

No. 3/2/TG-53(34)/HRD-2014

- **Name & Designation** : Ms. Tanushree Dangi, Ph.D Scholar
- **Address** : School of Biotechnology, JNU, JNU New Campus, New Delhi-110067
- **Name of the International Conference/ Seminar/Symposium/ Workshop** : Dept. of Microbiology, KGMU, Lucknow-226003
- **Title of the abstract accepted** : Identification of antiviral drug (Oseltamivir) resistant influenza virus strains circulating during 2011-2013 in India (Northern Region).
- **Venue & Date** : Oxford, England, UK, 9-11th September 2014.
- **Money sanctioned** : ₹ 1,00,000/-
- **Money reimbursed** : ₹ 98,988/-

Participation Report

Organization of training/workshop (No of participating countries, no. of session etc (not more than 100 words): LibPubMedia, LPMhealthcare & Oxford biomedical sciences Network were the organizations for the conference.

It was the small but very informative and useful conference. Many organizations from different countries (USA, Canada, UK, Italy, Australia, China, Portugal and Germany) were participated. Major organizations were National Center for Environmental Health, Centers for Disease Control and Prevention, Atlanta GA, **USA**; Animal Health and Veterinary Laboratories Agency (AHVLA), **UK**; Center for Tropical Medicine, University of Oxford, Oxford, UK; WHO Collaborating Centre for Reference and Research on Influenza, Melbourne, **Australia**; University of Siena, **Italy**; The Roslin Institute, University of Edinburgh, UK; St Jude Children's Research Hospital, USA; Veterinary and Agrochemical Research Center, CODA-CERVA, **Belgium** etc

Total 6 tracks:

1. Antiviral drug development and treatment strategies, including vaccination
2. National and international surveillance and contingency strategies
3. Advances in viral detection and identification technologies
4. Host-pathogen interaction – virulence and pathogenicity
5. Epidemiology and evolution
6. Molecular virology and immunology

No of sessions: 3 (including plenary, abstract & rapid oral presentations)

No. of papers presented: 70 abstracts.

- **Academic highlights of the training/workshops including major recommendation and the following:**

1. New development presented at the training/ workshops:

Progress made in various research institutes, hospitals, non government organization around the world was discussed by clinicians, and eminent scientists. Emphasis on the aspects of basic and applied research on zoonotic and human influenza viruses was main theme that how to monitor it. Antiviral drug development and treatment strategies, including vaccination, National and international surveillance and contingency strategies, Advances in viral detection and identification technologies, and several Mathematical models were discussed in different sessions.

2. New development resulting from the training/workshops (200 words):

In results, this conference may help in:

- WHO report on geographical distribution and effective risk factors for influenza virus disease (causing seasonal epidemics and pandemics) would result in better understanding of the morbidity & mortality.
- Different strategies of antiviral drug development and treatment strategies, including vaccination to monitor the seasonal influenza epidemics would be beneficial in future.
- It would help in better understanding about the transmission and epidemiology of human as well as animal influenza viruses.
- New development in National and international surveillance and contingency strategies would help in monitoring of human and zoonotic influenza viruses.

- Information regarding third generation sequencing and other advance technique would have given better results and increase validity with minimum time.

3. Name of the publication in case your work is recommended for publications:

"Identification of antiviral drug (Oseltamivir) resistant influenza virus strains circulating during 2011-2013 in India (Northern Region)".

8. Participant's contribution to the training/workshops (100 words):

Actively participated and presented a part of my research work as electronic poster (E-poster) which was focused on the detection of Oseltamivir antiviral drug resistant influenza virus strains and their molecular evolution which were circulating in northern India. I had a good opportunity to present and discuss my work with delegates from all around the world. This conference was an ideal platform for me to gain some current knowledge and learn new things related to my research field.