

- ❖ **Name & Designation** : **Mr. Suprabhat Mukherjee, Ph.D Research Scholar**
- ❖ **Address** : **Parasitology Laboratory,
Zoology (Centre for Advanced Studies),
Visva- Bharati University, Santiniketan-731235.**
- ❖ **Name of the International Conference/
Seminar/Symposium/Workshop** : **6th ASEAN Congress of Tropical Medicine and
Parasitology-2014.**
- ❖ **Title of the abstract accepted** : **Setaria ccrvi, a bovine filarial parasite activates
macrophage through toll like receptor4 (TLR4)
mediated signalling pathway: In vitro and in vivo
approaches.**
- ❖ **Date & Venue** : **5-7th March 2014, Kuala Lumpur, Malaysia.**
- ❖ **Money sanctioned** : **Rs 69,700/-**
- ❖ **Money reimbursed** : **Rs 73,006/- (Due to hike the fare of air travel an
additional Rs.3,306/- were sanctioned)**

Participation Report

The 6th ASEAN Congress of Tropical Medicine and Parasitology (ACTMP) was held at Kuala Lumpur, Malaysia from 5-7 March 2014. It was jointly organized by the The Malaysian Society of Parasitology and Tropical Medicine (MSPTM). The theme for the congress was 'GLOBAL CHALLENGES IN TROPICAL DISEASES: Bridging Gaps and Building Partnerships'. A total of 25 countries were participated in the congress. The three days conference was enriched with 25 scientific sessions in which some were parallel sessions. More than 100 lectures were delivered by eminent scientists whereas 150 lectures and 132 posters by research scholars were also presented.

Academic Highlights of the Training/Workshops, including major recommendation and the following

The 6th ACTMP was inaugurated with the excellent speech of Prof. Khairul Anuar, Malaysia entitled "Tango with the Parasites: Parasitic diseases in the disadvantaged community". The conference continued for the three days with the speeches of eminent speakers from different parts of the globe. The two posters sessions were also informative and the quality was very good. Finally, the conference ended with the talk entitled "Our Helminth infections: The bad and the good" by Prof. Maria Yazdanbakhs, Netherlands.

(i) **New Development presented at the training/Workshops**

1. **PfSPZ Vaccine for Malaria Elimination: Vision to Deployment**

Authors: B. Kim Lee Sim, Protein Potential LLC, USA

2. **Mosquito population reduction using RIDL[™] technology**

Authors: Renaud Lacroix, Richard Adey, Andrew McKemey and Luke Alphey, Oxitec Limited, United Kingdom

3. **Autism and Toxoplasma-induced metabolomic changes: Novel pathogenetic pathways and risk-predictor biomarkers**


Authors: Mohammed Afifi, Faten Al-Brikan and Mohammed D'Ajan, King Abdul Aziz University, Jeddah, Saudi Arabia

4. **Early detection and serotyping of dengue virus by using one step multiplex real time RT-PCR assay**

Authors: Je-Hyoung Kim, Chomkyu Chong, Hyun-Ok Song and Hyun Park, Wonkwang University School of Medicine, Republic of Korea

Participant's contribution to the Training/Workshop (100 words)

I have orally presented one paper entitled "***Setaria cervi*, a bovine filarial parasite activates macrophage through Toll like Receptor4 (TLR4) mediated signaling pathway: *In vitro* and *in vivo* approaches**" at the conference. I talked about the targeted stimulation of TLR4 with filarial extract as the possible potential immunotherapy against lymphatic filariasis (LF). I have discussed about the up-regulation of TLR4 signaling by a ligand from *Setaria cervi*, a bovine filarial parasite could augment the release of pro-inflammatory cytokines from macrophages. The ligand was detected in the membrane of *S. cervi*, and is posing to be a novel ligand whose interference in binding would provide an opportunity for therapeutic intervention. This paper drew attention to the scientist and researchers from different countries.


(Suprabhat Mukherjee)