

**Report on
participation of the ICMR International Fellow(ICMR-IF) in Training /Research
abroad.**

1. Name and Designation of the ICMR-IF : **Khuraijam Ranjana Devi,**

Professor of Microbiology

2. Address:

Department of Microbiology,

Regional Institute of Medical Sciences

Imphal -795004, Manipur

3. Frontline area of research in which training/ research was carried out: to learn molecular techniques for epidemiological sampling of medically important fungi.

4. Name & Address of Professor and host Institute:

Professor Matthew C Fisher,

Dept of Infectious Disease Epidemiology,

St. Mary's Hospital, Imperial College,

London, W2 1PG, United Kingdom.

5. Duration of Fellowship: 15 days from 8th Feb '16 to 22nd Feb 2016

6. Highlights of work conducted:

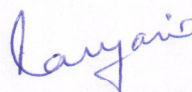
i) Technique/expertise acquired - Technique to isolate *Aspergillus fumigatus* from soil and plants by suppressing growth of other microbes, methodology to detect drug resistance and molecular diagnosis of drug resistance in *As. fumigatus*.

ii) Research results including any papers prepared/submitted for publication. Nil

iii) Proposed utilisation of the experience in India :

With the technique learned during the fellowship, survey to detect drug resistant *Aspergillus fumigatus* from clinical cases and the environment will be carried out. Rampant use of fungicides in the fields and garden may lead to development of drug resistant *Asp. fumigatus* in the environment. When man acquire infection from such environmental sources, it will be difficult to treat though the patient had never been exposed to anti fungal drugs and should ideally be responding. Emergence of such drug resistant fungi in the environment poses a threat to human health and needs to be monitored.

ICMR sanction no: INDO/FRC/452/S-43/2015-16-IHD


Signature of ICMR - IF