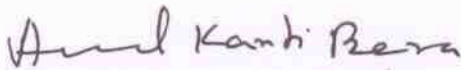


## Report

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

1. **Name and Designation of ICMR-IF:** Amal Kanti Bera, Professor
2. **Address:** Dept. of Biotechnology, IIT Madras, Chennai – 600036
3. **Frontline area of research in which training/research was carried out:**  
Study of ion channels using atomic force microscopy
4. **Name and address of Professor and host institute:**  
Prof. Ratnesh Lal  
Professor, Dept. of Mechanical and Aerospace Engineering; Dept. of Bioengineering  
Co-Director, Center for Excellence in Nanomedicine and Engineering  
University of California, San Diego  
9500 Gilman Drive; La Jolla, California 92093  
USA
5. **Duration of Fellowship :** 15 days
6. **Highlights of work conducted:**
  - i. *Technique /expertise acquired:* Learned how to use Atomic force microscopy in studying the structure of ion channels.
  - ii. *Research results including any papers, prepared/submitted for publication:* I am continuing the part of the work here in India. Once it is completed we will send the paper for submission.
  - iii. *Proposed utilization of the experiences in India:*  
I am in the process of establishing atomic force microscopy facility in the Department of Biotechnology at IIT Madras. Once it is established, it will be used for drug discovery research.

ICMR Sanction No. INDO/FRC/452/S-26/2015-16-IHD

  
Signature of ICMR-IF 11/4/16



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