

REPORT

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

1. **Name and designation of ICMR- IF** : Dr Prabhakar S Kedar
2. **Address** : Scientist D
National Institute of Immunohematology
(Indian Council of Medical Research)
13th Floor, New Multistoried Building,
KEM Hospital Campus, Parel
Mumbai-400012 (India)
3. **Frontline area of research in which training/research was carried out**
Hematogenetics: Molecular diagnosis of Congenital Hemolytic Anemia
4. **Name & address of Professor and host institute:**
Weatherall Institute of Molecular Medicine
University of Oxford
John Radcliffe Hospital
Headington, Oxford. OX3 9DS
(United Kingdom)
5. **Duration of fellowship** : 17/11/2016 to 1/12/2016 (15 days)
6. **Highlights of work conducted** :
 - i) **Technique/expertise acquired** : Advance training on diagnosis of congenital hemolytic anemia using red blood cell clinical targeted panel by next generation sequencing
 - ii) **Research results, including any papers, prepared/submitted for publication:** Nil
 - iii) **Proposed utilization of the experience in India:** Dr Kedar received a broad exposure to both molecular diagnostic techniques (next generation sequencing- NGS) and research techniques including case selection, DNA extraction, library preparation, sequencing, technical review and data analysis also he received close supervision of the analysis of CDA type II cases that were sequenced with our inherited anaemia panel, to understand how to determine the pathogenicity of the variants detected. This advance training on molecular diagnosis of congenital hemolytic anemia by NGS will be established at NIIH Mumbai

ICMR Sanction No.: INDO/FRC/452IS-36/2016-17-IHD


5/12/2016
Signature of ICMR-IF