

# PID Facilities in India

## All India Institute of Medical Sciences, New Delhi

Website: [www.aiims.edu](http://www.aiims.edu)



### Resource person:

**Dr. Dipendra Kumar Mitra**

Head, Department of Transplant Immunology & Immunogenetics

AIIMS, New Delhi

Email: [salimitra2@gmail.com](mailto:salimitra2@gmail.com)

Phone: 01126594638, 01126594446

### Diagnostic facilities available

- **ELISA based assays**
  - Serum Immunoglobulin profile IgG, IgM, IgA, IgG Subclass
  - sIL2Ra (SCD25)
  - CH50 Hemolytic assay, AH assay
- **Flowcytometry based tests**

**Surface expression**

  - CD3, CD4, CD8, CD19, CD132, CD127, JAK3 (SCID)
  - CD154, CD19, CD27, IgD (CD40L deficiency/Hyper IgM syndrome)
  - HLA-DR (MHC Class II deficiency-BLS II)
  - CD19, WASP (Wiskott Aldrich syndrome)
  - CD19, ATM (Ataxia telangiectasia)
  - IL-17, STAT3, DOCK8 (Hyper IgE syndrome)
  - CD19, Btk (X-linked Agammaglobulinemia)
  - CD19, CD27, IgD, IgM (CVIDs)
  - CD3, CD56, Perforin, CD107 (FHL Syndrome)
  - CD4, CD25, FoxP3 (IPEX)
  - CD18, CD11a, CD11b (Leukocyte Adhesion Deficiency I- LADI)
  - CD15s (Sialyl LewisX) (Leukocyte Adhesion Deficiency II- LADII)
  - DHR Chronic Granulomatous Disease (CGD)
  - IFN- $\gamma$ R1, IFN- $\gamma$ R2 (IFN- $\gamma$  receptor 1&2 deficiency) (MSMD)
  - Proliferation assay (BrdU), IFN- $\gamma$ , IL-2 (T cell functional Assay)
  - TCRab+CD4-CD8- (Double Negative T cells for ALPS)
- **Molecular**
  - Gene sequencing for Btk, FAS, STAT3, Perforin