



# International Congress on Friedreich's ataxia

11<sup>th</sup> April, 2015

&

# International Congress on

## “DNA Structure in Health & Disease”

12 - 13 April, 2015

All India Institute of Medical Sciences  
Ansari Nagar, New Delhi-110029 (INDIA)



## THEMES

### 150 years of Friedreich's Ataxia

- ✓ Diagnosis & Prognosis : Novel methods including biomarkers
- ✓ Pathogenesis, genetic and molecular mechanisms
- ✓ Role of (GAA ) triplets and genomic instability
- ✓ Frataxin Current **therapeutic approaches:**
- ✓ **Novel strategies in treatment : Stem cells, gene therapy and HDAC inhibitors etc**
- ✓ **FRDA Patient perspective by SAMAG, India**
- ✓ **Panel Discussion on**  
**FRDA in India : Current status and need for better management**

### DNA Structure in Health & Disease

- ✓ Interactions of DNA with drugs, proteins etc.
- ✓ Computational aspects of DNA structure
- ✓ Non-B -DNA structures : Biology & molecular mechanisms
- ✓ Genomic disorders: DNA structural rearrangements, repair
- ✓ Mitochondrial DNA : Structure, evolution & disease.
- ✓ Decoding Diseases and Health at DNA structure level
- ✓ Translational Genomics
- ✓ Role of repeats in Human genome & disease
- ✓ DNA as therapeutic targets in human diseases
- ✓ Animal & Cellular Models in development of DNA targeted drugs
- ✓ Role of Industry in Genomics Research and Technology
- ✓ DNA as nanomachine and its applications