

SCIENTIFIC PROGRAM

DAY 1: 11th April, 2015 International Congress on Friedreich's Ataxia

150 years of Friedreich's ataxia : Challenges in Diagnosis and therapy

Venue	Conference Hall, All India Institute of Medical Sciences, New Delhi
Date	11 th April, 2015
08:00 – 09:00 AM	Registration
09:00 – 10:00 AM	Inaugural Function
10:00 – 10:30 AM	High Tea
Session I	
Chairperson	Prof. Vijayalakshmi Ravindranath, Chairperson, Centre for Neuroscience, Indian Institute of Science, Bangalore
Plenary Lecture 1 (PL-1) 10:30 – 11:30 AM	Dr. Sanjay Bidichandani CMRI Claire Gordon Duncan Chair in Genetics, Professor of Pediatrics, University of Oklahoma College of Medicine, USA & Member- Board of Directors, Friedreich's Ataxia Research Alliance, USA <i>"The Epigenetic Defect in Friedreich's Ataxia"</i>
Chairpersons	Dr. Kameshwar Prasad, Professor & Head, Neurology, AIIMS, New Delhi & Dr. S. Raghavan, HOD, Neurology, VMMC & Safdarjung Hospital, New Delhi
11:30 – 12:00 PM Invited Lecture (IL-1)	Dr. I. C. Verma, Director, Centre for Med Genetics, Sir Ganga Ram Hospital, New Delhi <i>"Clinical and molecular studies in Friedreich's Ataxia in India"</i>
12:00 – 12:30 PM (IL-2)	Dr. Ashwin B Dalal, Head, Diagnostic Division, Center for DNA Fingerprinting and Diagnostics, Hyderabad <i>"Diagnostic Challenges in Friedreich's ataxia"</i>
12:30 – 01:00 PM (IL-3)	Dr. Moganty R. Rajeswari, Professor, Department of Biochemistry, AIIMS, New Delhi <i>"Plasma-based protein and nucleic acid biomarkers for Friedreich's ataxia"</i>
01:00 – 02:00 PM	LUNCH

SESSION – II

Chairpersons	Dr. Subrata Sinha, Director, National Brain Research centre, Manesar
Plenary Lecture 2 (PL-2) 02:00 – 02:40 PM	Dr. Barbara Scheiber-Mojdehkar, Professor, Medical University Vienna, Austria <i>“Treatment of Friedreich’s ataxia patients with recombinant human erythropoietin: focus on iron status and possible neuroprotection via adaptive response of cellular iron metabolism.”</i>
Chair Person	Dr. Shashi Wadhwa, Ex-Dean, AIIMS, New Delhi Dr. Sheffali Gulati, Professor, Chief of Child Neurology Division, Dept. of Pediatrics, AIIMS, New Delhi
02:40 - 03:10 PM Invited Lectures (IL-4)	Dr. Achal K. Srivastava, Professor, Department of Neurology, AIIMS, New Delhi <i>“Friedreich’s ataxia: Indian Scenario”</i>
03:10- 03:40 PM (IL-5)	Dr. Rajeev Aggarwal, In-charge, of Neuro-Physiotherapy Unit, AIIMS, New Delhi <i>“Physiotherapy For Friedreich’s Ataxia Patients”</i>
03:40 – 04:00 PM	Tea Break
04:00 – 05:00 PM	Panel Discussion FRDA in India : Current status and need for better management MODERATORS Dr. Sanjay Bidichandani, Dr. M. R. Rajeswari. Dr. Achal K. Srivastva, Dr. Madhulika Kabra Mr. George Chandu, Representative of FRDA patient group, SAMAG, Hyderabad (12 min) Ms. Swasti Wagh (FRDA Patient), SAMAG, Indore (08 min) Dr. Yasmin Sultana, (FRDA Patient) Jamia Hamdard, New Delhi (08 min) Dr. Garima Goel, (FRDA Patient), Shimla (08 min)
05.00- 05.30 PM	Open Discussion & Suggestions

DAY 2: 12th April, 2015
International conference on
“DNA Structure in Health & Disease”

SESSION – III

Venue	Conference Hall, All India Institute of Medical Sciences, New Delhi
Date	12th April, 2015
PLENARY LECTURE	
Chairperson	Dr. T. P. Singh, Distinguished Biotechnology Research Professor, AIIMS, New Delhi & President, Indian Biophysical Society
Plenary Lecture 3 (PL-3) 09:00 AM	Dr. S. N. Chatterjee, Ex-Director, Saha Institute of Nuclear Physics, Kolkata & Founder president of DNA Society of India <i>“The impact of DNA Research on Mankind”</i>
Chairpersons	Dr. D. N. Rao, Professor & Head, Biochemistry, All India Institutes of Medical Sciences, New Delhi & Dr. P. K. Sengupta, UGC Emeritus Fellow, University of Calcutta, Kolkata
09:30 – 09:50 AM Invited Lectures (IL-6)	Dr. Jayasri Basak, Senior Scientist, Netaji Subhas Chandra Bose Cancer Research Institute, West Bengal <i>“Changes in DNA sequence of globin genes results into Hemoglobinopathies and Thalassemia: a study conducted in different districts of West Bengal with special reference to various tribes”.</i>
09:50 – 10:10 AM (IL-7)	Dr. G. Suresh Kumar, Senior Principal Scientist, Professor of Chemical & Biological Sciences, AcSIR Head, Business Development, CSIR-Indian Institute of Chemical Biology <i>“Drug-nucleic acid interactions of the alkaloids”</i>
10:10 – 10:30 AM (IL-8)	Dr. Ritu Bartwal, Professor, Indian Institutes of Technology, Roorkee <i>“Circular Dichroism and Nuclear Magnetic Resonance Spectroscopy Studies establish Groove Binding by anthraquinone based Mitoxantrone to Stabilize G-quadruplex DNA”.</i>
10:30 – 10:50 AM (IL-9)	Dr. Jayanth Kumar P., Assistant Professor, Department of Biochemistry, AIIMS, New Delhi <i>“Role of RNA binding proteins in lymphomagenesis”</i>
10:50 – 11:10 AM	TEA BREAK
SESSION – IV	
Chairpersons	Dr. G. Suresh Kumar, Sr. Principal Scientist, CSIR-Indian Institute of Chemical Biology, Kolkata Dr. Y.K. Gupta, Professor & Head, Department of Pharmacology, AIIMS, New Delhi
11:10 – 11:30 AM Invited Lectures (IL-10)	Dr. B. Jayaram, Professor, Department of Chemistry & Coordinator SCFBIO, IIT Delhi, New Delhi <i>“Genome to hit molecule in silico: A country path today, a highway tomorrow –an update.”</i>
11:30 – 11:50 AM (IL-11)	Dr. Nitai Bhattacharya, Director, Saha Institute of Nuclear Physics, Kolkata <i>“Manipulation of endogenous microRNA expression: an approach for treatment of poly glutamine (polyQ) expansion neurodegenerative diseases”.</i>

11:50 – 12:10 PM (IL-12)	Dr. Aklank Jain , Associate Professor & Ramanujan Fellow, Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Solan (H.P) <i>“DHX9 Helicase Prevents Genomic Instability Caused by Non-B DNA Structures in Human Cell”.</i>
12:10 – 12:30 PM (IL-13)	Dr. P. Sujatha Devi , Principal Scientist, Central Glass and Ceramic Research Institute, Kolkata <i>“New Insights into the Interaction of Nanomaterials with DNA”</i>
12:30 – 12:50 PM (IL-14)	Dr. Deepak T. Nair , Associate Professor, Regional Centre for Biotechnology, Gurgaon <i>“Mutagenic and translation DNA synthesis by DNA Polymerase IV from Escherichia coli: twin routes to drug resistance”</i>
01:00 – 02:00 PM	LUNCH (ALL POSTERS MUST BE DISPLAYED by 2: 00PM)
SESSION – V	
Chairperson	Dr. D. P. Sarkar , Professor, Dept. of Biochemistry, University of Delhi (South Campus), New Delhi Dr. Uttam K. Pati , Professor, School of Biotechnology, Jawaharlal Nehru University, New Delhi
Plenary Lecture 4 (PL-4) 02:00 – 02:30 AM	Dr. R. N. K. Bamezai , Professor of Genetics and Director, National Centre of Applied Human Genetics, School of Life Sciences, Jawaharlal Nehru University, New Delhi <i>“Genomic, Epigenomic, Metabolic Studies in Complex Diseases – Our Experience”</i>
02:30 – 02:50 PM Invited Lecture (IL-15)	Dr. P. K. Sengupta , UGC Emeritus Fellow, University of Calcutta, Kolkata & Vice-President, DSI <i>“Exploring the prospects of plant flavonoids as quadruplex DNA ligands : Quest for a new class of anticancer drug”</i>
02:50 – 03:10 PM (IL-16)	Dr. Prabal K Maiti , Professor, Indian Institute of Science, Bangalore <i>“Understanding DNA based nanostructures”</i>
03:10 – 03:30 PM (IL-17)	Dr. Shantanu Chowdhury , CSIR-Institute of Genomics and Integrative Biology, New Delhi <i>“Functional Genomics of Lung Cancer Progression Reveals Mechanism of Metastasis Suppressor Function”</i>
03:30 – 03:50PM (IL-18)	Dr. Jitendra Vashist , Asstt. Professor, Jaypee University of Information Technology, Solan (H.P) <i>“Metgenomic studies in relation to Diarrheal Disease”</i>
03:50-04:10 PM (IL-19)	Dr. Surat Kumar , Professor, Dayalbagh Educational Institute, Dayalbagh, Agra <i>“The Ligand-Dna Binding Studies: Computational Approaches Complementing Experimentation”</i>
04:10-04:30 PM (IL-20)	Dr. Vishvanath Tiwari , Asstt. Prof., Department of Biochemistry, Central University of Rajasthan, Ajmer <i>“Genetics of nosocomial infection caused by carbapenem resistant strain of Acinetobacter baumannii”</i>
04:30 – 05:30 PM	TEA BREAK & Poster Viewing Poster Evaluation (Make sure that you are present at your poster during this period)
04:00 - 05:00 PM	EC meeting of DSI Venue: Seminar Hall, Dept of Biochemistry, 3rd Floor
06:00-08:00 PM	CULTURAL PROGRAMME Venue: Conference Hall, AIIMS
08:00 Onwards	DINNER Venue: Gymkhana, AIIMS

DAY 3: 13th April, 2015

SESSION – VI

Venue	Conference Hall, All India Institute of Medical Sciences, New Delhi
Date	13th April, 2015
Chairperson	Dr. P. C. Sen, Senior Professor, Division of Molecular Medicine Bose Institute, Kolkata & President, DSI Dr. K. K. Deepak, Professor, Department of Physiology, AIIMS, New Delhi
Plenary Lecture 5 (PL-5) 09:00 – 09:30 AM	Dr. P.N. Tandon, Emeritus, Department of Neurosurgery, AIIMS, New Delhi <i>“Neurodegenerative Disorders”</i>
09:40 – 10:00 AM Invited Lectures (IL-21)	Dr. Moganty R. Rajeswari, Professor, Department of Biochemistry, AIIMS, New Delhi <i>“DNA Triplex in Human Disease: Causative or Curative?”</i>
10:00 -10:20AM (IL-22)	Dr. I. C. Verma, Director, Centre for Medical Genetics, Sir Ganga Ram Hospital, New Delhi <i>“Bringing NGS into clinical practice in India.”</i>
10:20 -10:40AM (IL-23)	Dr. Ansuman Lahiri, Dept. of Biophysics, Molecular Biology & Bioinformatics, University of Calcutta, Kolkata <i>“On the Role of Conserved Residues in the DNA Binding Region of BZIP Domains: A Study on GCN4-DNA Complexes”</i>
10:40 – 11:00 AM	TEA BREAK

SESSION – VII

Chairpersons	Dr. H. D. Khanna, Professor Emeritus & Former Head, Banaras Hindu University, Varanasi Dr. S. S. Chauhan, Professor, Department of Biochemistry, AIIMS, New Delhi
11:00 – 11:20 AM Invited Lectures (IL-24)	Dr. Parimal C. Sen, Senior Professor, Division of Molecular Medicine Bose Institute, Kolkata & President, DNA Society of India <i>“Cell cycle arrest mediated cancer cell apoptosis by synthetic chemical derivatives: Role of calcium as a key player”.</i>
11:20 -11:40AM (IL-25)	Dr. S. Kukreti, Professor, Department of Chemistry, University of Delhi, Delhi <i>“Targeting Genomic Locations Via Antigen Strategy”</i>
11:40 – 12:00 PM (IL-26)	Dr. Pradeep Kumar, Associate Professor, Department of Chemistry, IIT, Bombay, Mumbai <i>“Topology Specific Stabilization of Promoter over Telomeric G-Quadruplex DNAs by Designer Molecules</i>
12:00 – 12:20 PM (IL-27)	Dr. K. P. Kochhar, Professor, Department of Physiology, AIIMS <i>“Physiological Basis of DNA Damage and Diet Induced Epigenetic Modifications : A Prescription for Health and Longevity”</i>

12:20 – 12:40 PM (IL-28)	Dr. Rajib Kr. Mitra , Asstt. Professor, Department of Chemical, Biological & Macromolecular Sciences, S N Bose National Centre For Basic Sciences, Kolkata <i>“THz Radiation: an Emerging Spectroscopic Tool to Investigate Collective Dynamics in Biomolecules”</i>
12:40- 1:00 PM (IL-29)	Dr. Thenmalarchelvi Rathinavelan , Asstt. Professor, Department of Biotechnology IIT Hyderabad <i>“Twisting Right To Left: A...A Mismatch In A CAG Trinucleotide Repeat Overexpansion Provokes Left-Handed Z-DNA Conformation”</i>
01:00 – 02:00 PM	LUNCH
SESSION – VIII	
INVITED LECTURES	
Chairpersons	Dr. Nitai Bhattacharya , Saha Institute of Nuclear Physics, Kolkata Dr. Shantanu Chowdhury , CSIR-Institute of Genomics and Integrative Biology, New Delhi
02:00 – 02:20 PM (IL-30)	Dr. Keya Chaudhary , Emeritus, CSIR-IICB & Emeritus Professor, Academy of Scientific & Innovative Research, IICB, Kolkata <i>“Areca Nut Induced DNA damage and recruitment of HDACs and E2F1 family proteins: Role in the pathogenesis of precancerous oral submucous fibrosis”.</i>
02:20 – 02:40 PM (IL-31)	Dr. R. Chatterjee , Asstt. Professor, Human Genetics Unit, Indian Statistical Institute, Kolkata <i>“Cell type-specific DNA methylation outside CpG Islands</i>
2:40-3:00 PM (IL-32)	Dr. Ranjana Mehrotra , Chief Scientist, CSIR-National Physical Laboratory, New Delhi <i>“Application of Plasmonics In Molecular Detection, Diagnosis And Therapy”</i>
03:00 – 03:20 PM (IL-33)	Dr. Souvik Maiti , Principal Scientist, CSIR-Institute of Genomics and Integrative Biology, New Delhi <i>“Quadruplex-Watson Crick Duplex Competition from Biological Perspective”</i>
03:20 – 03:40 PM (IL-34)	Dr. Deepti Jain , Assistant Professor, Regional Centre for Biotechnology, Gurgaon <i>“High Resolution Crystal Structures of transcription factor AraR in complex with four different DNA sequences reveal distinct binding modes of binding”</i>
03:40 – 04 :00 PM	TEA BREAK
Time: 04:00 – 04:30 PM 4 Oral Presentations of selected young researchers (08 Minutes for oral presentation + 02 Minutes for Question/Answer)	
OP1	
OP2	
OP3	
OP4	
04:30 – 05:00 PM	Valedictory Function Distribution of Awards & Certificates Chief Guest: Mr. V. Srinivas, IAS Deputy Director (Administration), AIIMS