



जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

सत्यमेव जयते

Fellowship in Genetic Diagnostics

CALL FOR APPLICATIONS FOR 4th BATCH OF TRAINEES

With an aim to expand National Inherited Disorders Administration Kendras (NIDAN Kendras) to provide comprehensive clinical care including diagnosis, management, multidisciplinary care, counseling, prenatal testing at Government Hospitals/ Medical Colleges, Department of Biotechnology (DBT), Government of India has launched a **6 month 'Fellowship in Genetic Diagnostics'** for Faculty/ Clinicians only from Government Medical Colleges and Hospitals. **Four (4) trainees in a year (in two batches) will be taken by each centre.**

In the current era of genomics, genetics has become an integral component of medicine. This platform would offer a great opportunity to Govt. Hospitals and Medical Colleges by training their permanent faculty, physicians and scientists who are keen to develop Genetic Facilities to cater to the needs of patients. The program will provide training in cytogenetic and molecular genetic techniques along with the understanding about their applications in patient care. Under this program, well-established centres with facilities for diagnosis and management of genetic disorders have been selected to provide training. The list of centres where the Fellowship is available is given at the end. Interested and eligible candidates should send their applications to the centre of their interest in the format provided below (**Applicant should not apply to more than two centres at a time**). The fellowship will provide an opportunity to get training in the exciting field of genetics as applied for patient care. Further, the faculty members trained under this program will be eligible to apply for DBT grant for establishment of National Inherited Disorders Administration Kendras (NIDAN Kendras) at their respective institutes/colleges/hospitals after successful completion of their training.

Eligibility criteria: (i) Post-graduate degree (MD/MS/DNB) in Pediatrics, Medicine or Obstetrics & Gynaecology, Pathology, Microbiology, Biochemistry, Laboratory Hematology, Laboratory Medicine, Anatomy, Physiology, Dermatology, Hematology, Radiotherapy, Endocrinology, Ophthalmology, Oncology, or any other clinical / paraclinical speciality/Superspecialty; AND (ii) **Holding regular position in Government medical college/hospital.**

Mode of selection: Screening and selection will be based on scrutiny of application form and telephonic interview. Evaluation criteria will include commitment to learn and the possibilities for implementation of the learned skills at the workplace.

Award Support: The trainees/clinicians from outstation institutes will be paid a displacement allowance of Rs 30,000/- per month. (The trainee will be eligible for the displacement allowance only if the trainee is not from the city where the training is planned.)

Fellowship Schedule: 4th Batch from **May 2022 to October 2022**
(Fellowship of 4th Batch will start from 01st May 2022)

Last date for submission of applications: 15th March 2022

How to Apply:

Application form (*in the format given below*) along with self-attested photocopies of degree certificates, MCI registration certificate and experience certificates should be sent to the Training Coordinator of particular institution.

The application should be forwarded by the Head (Director / Principal) of the institute.

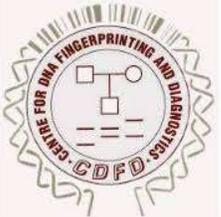
Soft copy of the application is to be sent by email to the Training Coordinator of the concerned centre(s) and it should be followed by duly forwarded hard copy of the application along with copies of necessary certificates (*If there is delay in submitting the application through proper channel, candidate can submit advance copy within last date of application to consider candidature; and application through proper channel can be submitted so as to reach to the concerned training centre coordinator by 25th March 2022*).

While sending soft copy of the application to the concerned centre, copy of the email may please also be marked for information to Dr. Karthikeya K, Scientist 'C', Department of Biotechnology, Govt. of India (email ID: karthikeya.k@dbt.nic.in).

LIST OF CENTRES WHERE THE FELLOWSHIP IN GENETIC DIAGNOSTICS IS AVAILABLE:

Sr No	Name of the Centre	Thrust areas	Clinical services	Laboratory facilities	Number of seats per year	Training Coordinator/ Contact address
1.	Department of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raibareilly Road, Lucknow, 226014 [UP] 	Birth defects, Genetic Hematology, Dysmorphology, IEM, Skeletal Dysplasias, Neurological and muscular disorders, Clinical Genetics	Clinical genetics, Prenatal Diagnosis, Disease Mangement, Fetal malformation diagnosis, Reproductive genetics, Genetic counseling, Management of genetic disorders, Fetal autopsy	Cytogenetics, Cell Culture, Molecular Cytogenetics including Microarray, MLPA, Molecular Genetics, Sanger Sequencing, NGS Analysis, Enzyme Assays, Newborn screening	4	Dr Shubha Phadke, Head , Department of Medical Genetic shubharaophadke@gmail.com 0522 249 4334 / 4325
2.	Department of Haematology, Christian Medical College, Vellore, Tamilnadu 	Hemoglobinopathies, Disorders of Haemostasis, Bone marrow Failure syndromes Rare haematological disorders, Primary immunodeficiency Diseases	All inherited haematological disorders-Diagnosis and Management including Haematopoietic Stem cell transplant	State of the art molecular lab, Molecular Genetics- Identification of genetic variants, Sanger Sequencing, NGS Analysis, Interpretation of results and clinical correlation, Prenatal Diagnosis	4	Dr. Eunice Sindhuvi Department of Haematology eunice@cmcvellore.ac.in 0416 -228- 3569/3577
3	Department of Clinical Genetics Christian Medical College, Vellore, Tamilnadu 	Dysmorphology, Rare syndromes, Neuromuscular and neurodegenerative disorders, Genodermatosis, Cardiac and Renal, Autoimmune, Multifactorial disorders	Clinical genetics, Prenatal Diagnosis, Adult Genetics, Disease Management	Molecular Genetics laboratory for genetic variants by Sanger, genescan, NGS, Bioinformatics, Protein analysis, Relevant enzyme assays	4	Dr. Sumita Danda Head, Department of Clinical Genetics. sdanda@cmcvellore.ac.in 0416-228-3161/2304

Fellowship in Genetic Diagnostics – Call for 4th Batch - A

4	<p>Diagnosics Division, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, Telangana</p> 	<p>Cytogenetic testing for chromosomal disorders and copy number variations, Molecular testing for Thalassemia, DMD, SMA, other single gene disorders, NGS panel testing, Whole exome/ genome sequencing, enzyme assay for lysosomal storage diseases, inborn errors of metabolism testing</p>	<p>Not available</p>	<p>Cytogenetics, Cell Culture, Molecular Cytogenetics including FISH, Microarray analysis, Molecular Genetics, Sanger Sequencing, MLPA, Genotyping, NGS Analysis for whole exome/genome, Enzyme Assays</p>	4	<p>Dr Ashwin Dalal Head, Diagnostics Division, Cent for DNA Fingerprinting and Diagnostics adalal@cdfd.org.in 040-27216147/6148</p>
5	<p>Division of Genetics, Department of Pediatrics, AIIMS, New Delhi 110029</p>  <p>शरीरमाद्यं खलु धर्मसाधनम्</p>	<p>Dysmorphology, IEM, LSD, Skeletal dysplasia, birth defects, Neurodevelopmental disorders</p>	<p>Management of IEMs Enzyme replacement therapy for LSDs Genetic counselling And Prenatal diagnosis Fetal autopsy</p>	<p>Cytogenetics, Cell Culture, Molecular Genetics, Sanger Sequencing, MLPA, QF PCR, Real time PCR, Bioinformatics Analysis (NGS, CMA), Enzyme Assays, HPLC, Newborn Screening, Prenatal screening and testing</p>	4	<p>Dr Madhulika Kabra Dr Neerja Gupta madhulikakabra@hotmail.com neerja17aiims@gmail.com</p>
6	<p>ICMR-National Institute of Immunohaematology, 13th Floor, KEM Hospital, Parel, Mumbai, 400015</p> 	<p>Primary Immunodeficiency Diseases, Transfusion medicine, Hemoglobinopathies, Red cell membranopathies and enzymopathies, Haemophilia and other inherited bleeding disorders, Inherited thrombotic disorders, Cytogenetics</p>	<p>Specialized diagnostic services for various inherited haematological and immunological disorders, Carrier detection and Prenatal diagnosis</p>	<p>Sanger sequencing, Cytogenetics, Karyotyping and FISH , HPLC system, Cell culture facility, Flowcytometry, Red cell enzyme assays, Automated coagulometer and thromboelastograph^{TEG}</p>	4	<p>Dr Manisha Madkaikar, Director, madkaikarmanisha@yahoo.co.in directorniih@gmail.com 02224132928 022 24138518/19</p>

Fellowship in Genetic Diagnostics – Call for 4th Batch - Advt

7	<p>Division of Medical Genetics & Metabolism, Genetic lab, Department of Pediatrics, Maulana Azad Medical College, New Delhi</p> 	<p>IEM, Newborn Screening, Dysmorphology, Skeletal Dysplasias, Neurological and muscular disorders, Clinical Genetics, Neurotransmitter disorders</p>	<p>Clinical genetics, Prenatal Diagnosis, Disease Mangement, Emergency sick day IEM management</p>	<p>Mass spectrometry, Cytogenetics, Cell Culture, Molecular Cytogenetics, Molecular Genetics, Sanger Sequencing,, Enzyme Assays, Newborn screening & Confirmation</p>	4	<p>Dr Seema Kapoor, Head, Division of Medical Genetics drseemakapoor@gmail.com 011232397417, 01123221927</p>
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Application form for the Fellowship in Genetic Diagnostics

1. **Full Name** (in Block letters) :
(As per SSC / X Class Record)

2. **Gender:**

3. **Date of birth:**

Age:

4. **Qualifications:**

5. **Medical council registration number:**

6. **Present designation:**

7. **Complete address:**

8. **Contact number(s):**

Email id:

9. **Educational qualifications** (starting with graduation):

Degree	College/ University	Year of passing	Awards/ distinctions/ honours

10. **Professional experience** (in the chronologically descending order beginning with the current position):

Designation	Hospital/ Institute	Duration	Special experience/ honours if any

11. Additional academic achievements/ professional activities:

12. Number & list of publications (beginning with the most recent publication, list all publications with the complete reference): Please also attach the list

13. Mention briefly (in not more than 250 words) your reasons for applying for this fellowship and how you think it would help you in your medical practice:

Date:

Place:

Signature of the applicant

Comment by forwarding authority:

Director / Principal / Dean of the Institute / Medical College

(Signature and Stamp)