

## **HUMAN RESOURCES DEVELOPMENT FOR HEALTH RESEARCH**

The vision of the Department of Health Research (Ministry of Health & Family Welfare) is to bring modern health technology to the people through innovations related to diagnostic, treatment methods and vaccines for prevention and to coordinate the research activities in the different areas of Health Research in the country. The country has attained considerable progress in biomedical research and patient care and management over the years but new emerging infections, resistance of the causative agents to existing common drugs coupled with emergence of non-communicable diseases like cancer, diabetes, cardiovascular disorders, mental and neurological disorders, poses a new challenge to the medical and scientific fraternity.

### **Objectives of the scheme:**

- i. To increase the overall availability of trained personnel for health research from medical colleges across the country through scholarships, fellowships and career advancement scheme etc. for faculty and young medical doctors and other scientists to take up medical and health research as a career.
- ii. To focus on the creation of a cadre of trained medical/health researchers in specific identified priority areas of health research viz., Clinical Trials; Toxicology; Good Clinical Practices (GCP); Good Laboratory Practices (GLP); Quality Control (QC) & QA; Genomics; Proteomics; Clinical Psychology, Geriatrics; Modern Biology; Biotechnology; Stem cells; Genetics; Drugs chemistry; and operational research etc..
- iii. To create, support, nurture and encourage the trainees from these medical colleges to forge linkages with other scientists from universities, research institutes etc. to develop multidisciplinary and multi-sectoral teams necessary for addressing critical national and local health problems.
- iv. To establish suitable online teaching and learning facilities to facilitate training in health research in various subjects in a more effective manner and for promoting biomedical/health research.

**Programme to encourage research personnel [Non-resident Indian (NRI), Persons of Indian Origin (PIO), Overseas Citizen of India (OCI)] serving abroad, to come back to India for undertaking health research in identified areas.**

A large number of Indian scientists go to foreign countries, especially the European and North American countries, after completing their education in India and many of them are working in reputed medical/health research organizations. A number of these scientists are willing to return back to India to serve the country in the field of health research, provided they get suitable opportunities. Since many of these scientists have exposure to high technologies in the front areas of research, country will benefit greatly if they are provided some platform to work in Indian institutes. **The Department of Health Research (Ministry of Health & Family Welfare), Government of India, has launched the programme “to encourage research personnel [Non-resident Indian (NRI), Persons of Indian Origin (PIO), Overseas Citizen of India (OCI)]**

**servicing abroad, to come back to India for undertaking research in identified areas".**The scheme will provide contractual research positions on a fulltime basis for short duration to pursue medical/health research in India and take up health research projects in collaboration with Indian scientists, particularly in areas of national priority.

**(a) Areas identified for Research:**

Toxicology,	Quality Control (QC) and Quality Assurance (QA)
Genomics	Modern Biology
Proteomics	Biotechnology
Geriatrics	Genetics
Stem cell research.	Drugs Chemistry
Clinical Trials	Operational Research
Good Clinical Practices (GCP)	Health Informatics
Good laboratory Practices (GLP)	Medical Ethics
Disease Modeling	Health Economics
Environmental Health	Any other area recommended by the committee as per National Health Policy/ National Health Goals
Mental Health/Clinical Psychology	

**(b) Eligibility**

1. Only persons of Indian origin, non-resident Indian, and oversea citizen of India, as defined by Government of India, and currently working abroad.
2. Having M.D./ M.S. / M.D.S. or M.Tech / MVSc./ M.Sc./M. Pharma /M. Tech or equivalent with Ph.D. in topic related to health research.
3. The candidate shall be submitting the research plan in either of the identified area through any medical college/bio-medical research institute under a regular faculty of the institute ([http://www.icmr.nic.in/Forms/Download\\_Forms.html](http://www.icmr.nic.in/Forms/Download_Forms.html)).
4. Candidate should be below the age of 45 years.
5. Programme is scientist and area specific and cannot be transferred.
6. Work of the fellow will be reviewed periodically by expert group and shall continue only after receiving the satisfactory report from the expert panel.

**(c) Financial mechanism**

1. Each selected candidate shall be eligible to receive a consolidated amount of Rs.10.00 lakhs per annum (or equivalent to the scale of the Assistant Professor/Scientist 'C' in the Medical Colleges/Research Institutions), for 3 years, extendable upto a maximum period of 5 years.
2. In case the researcher finds a permanent position during the tenure of the position, the remuneration shall be discontinued from the day he/she joins in permanent position but he/she may continue with the research project awarded in the scheme for the balance period to carry out research at the new position.

3. Provision would be available for supporting a research staff out of Research Grant during the tenure of the award.
4. In the event of getting employment elsewhere other than the present Host Institute, the Awardees could also be allowed to move the research student along with him/her to new place within the country.
5. Additional Funding would be available for research studies/projects costing up to Rs.1.00 crore, for the entire duration of the study. The proposed expenditure on the study would not include the expenditure on the salary of the Research Scientist which will be Rs.12 Lakhs.
6. The selected proposal of the NRI/OCI/PIO would be funded under this scheme for project duration of up to three years, extendable at the discretion of the Expert Committee up to a maximum of 5 years.
7. The Research Grant for the project which mostly will be of laboratory nature; shall be trifurcated into three broad budget heads with the following indicative break up:
  - a) Recurring (including Project Manpower, Travel, Consumables & Contingencies - 60%
  - b) Capital Equipment- 35%
  - c) Overhead - 5%

However, Travel and Contingencies would be limited to 10% each.

8. Each Awardees needs to provide proposal with detailed break up as above for utilization of Research Grant and the Host Institution needs to adhere the approved breakup for entire project period.
  9. The amount (consolidated salary and fund for the research project) will be released in favour of the Head of the Host Indian Institution, where the research project will be undertaken, and will be kept in separate account.
- (d) **Duration:** Upto 5 years (To be renewed annually)

## ANNEXURE III

**Application format for Fellowship programme for NRIs/OCI/PIO to undertake health research in India under HRD Scheme of DHR.**

### **PART 1**

1.	<b>GENERAL INFORMATION</b>	
i.	Name (in block letters)	
ii.	Nationality	
iii.	Gender	
iv.	Permanent address Also give the domicile in India along with address proof	
v.	Date of Birth and age as on date of submission of application; with proof	
vi.	Postal address for correspondence with Pin code: Phone: Mobile No. Email:	
vii.	Area of fellowship ( as per the priority areas for the programme)	
viii.	Current employment (Give designation and name of Institute)	
ix.	Do you have at least three years of research experience in the foreign country as NRI/PIO/OCI; after obtaining the essential qualification?	
x.	Particulars of the Institution where research project will be undertaken: a) Name b) Type of Institute: Govt./ Pvt./NGO	



#### 4. EMPLOYMENT RECORD

List all appointments held in past in chronological order: (attach copies of relevant certificates)

Post held	Period (From -To)	Name of employer & address	Govt. / Pvt	Temporary / Regular	Pay Grade	Nature of duty	Special remarks, if any

#### 5. RESEARCH EXPERIENCE:

I. Post-Doctoral work experience in overseas labs (attach copies of supporting documents)

Designation/Title	Organisational address	Duration		Total duration in months
		From	To	
Total work experience abroad				

- II. Total no. of research publications (enclose a list alongwith impact factor and ISSN No of the journal)
- III. Total number of publications as first author
- IV. Total number of publications as corresponding author
- V. Major R& D Projects completed/funding obtained during the last 5 years:

<b>Title of the project</b>	<b>Amount of grant</b>	<b>Duration of project</b>	<b>Name of Institute where project was undertaken</b>	<b>Funding agency</b>	<b>Brief Achievements</b>

VI. Patents awarded/ technology developed

## **PART II**

**Research proposal** in the format given at Annexure IV

### **UNDERTAKING TO BE GIVEN BY THE FELLOW**

I have read the terms and conditions of the award and accept them and agree to abide by them if the fellowship is offered to me.

I certify that, to the best of my knowledge, the particulars given in this application are correct.

I also give an undertaking to report to DHR/ICMR regarding my research output (projects, publications etc), if selected , thereafter for 3 years after completion of training/project.

Signature of the applicant

Date

### **Certificate by the Head of the Institute where research is proposed**

- i. I recommend \_\_\_\_\_ for the fellowship applied and certify that he/she will be given all the institutional facilities to carry out the research work. The fellow will also be considered as a potential candidate for a permanent

position in due course subject to meeting, rules, regulations and all relevant statutory requirements.

- ii. All the facilities and equipment needed for use of the research work are available in the Institute or shall be made available to him/her.

Name & Signature with seal  
(Head of the Institution/Organization)

Name & Signature with seal  
(Co-Investigator)

*NOTE:*

Kindly submit typed applications only

All answers should be given in words and not by dashes. Strike off those not applicable

Incomplete applications will be rejected

**APPLICATION FORMAT FOR RESEARCH PROJECT TO BE SUBMITTED UNDER  
HRD SCHEME OF DHR for Young scientist/Women scientist/NRI**

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**Section A  
GENERAL**

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1. Title of the Research Project
2. Name, Designation and email of
  - i) Fellow
  - ii) Mentor/Co-Investigator
1. Duration of Research Project
  - i) Period which may be needed for collecting the data
  - ii) Period that may be required for analyzing the data
2. Objectives
3. Summary of the proposed research (up to 150 words) indicating overall aims of the research and importance/**public health relevance** of the research proposal.
4. Present knowledge and relevant bibliography including full titles of articles relating to the project.
5. Preliminary work already done by the Investigator on this problem, e.g. selection of subjects, standardization of methods, with results, if any.
6. Links with other ICMR/DHR projects (ad-hoc, task force or collaborative).
7. List of important publications of last 5 years of the fellow and mentor/co-investigator in the relevant field (enclose reprints, if available)
8. Detailed research plan. (give here the design of study, indicating the total number of cases/samples/animals to be studied, the mode of selection of subjects specially in experiments involving human beings, equipments and other materials to be used, methodology/techniques to be employed for evaluating the results including statistical methods any potential to obtain patents etc.)
9. Facilities in terms of equipment, etc, available at the sponsoring institution for the proposed investigation.

Total Amount of grant-in-aid asked for the project:

Budget requirements	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total	Justification
Staff					
Contingency: Recurring Non-recurring					
Overhead charges					
Total					

7. Is radio tagged material proposed to be used in the project either for clinical trials or experimental purposes? If so, clearance from Nuclear Medicine Committee, Bhabha Atomic Research Centre, Mumbai, indicating should be attached.
8. Projects involving recombinant DNA/Genetic engineering work should be examined and certificate by the Institutional Biosafety Committee (IBSC) to be enclosed. Guidelines for constitution of IBSC can be obtained from Secretary, Department of Biotechnology, CGO Complex, Lodhi Road, New Delhi-110003.
9. Approval of the institutional ethics committee (IEC) should be enclosed. Guidelines for **IEC** for animal experiments should follow CPCSEA requirements and for human studies should follow ICMR guidelines.
10. The Institution where the study is being done should ensure that there is no financial conflict of interest by the investigators.

### **DECLARATION AND ATTESTATION**

- i. I/We have read the terms and conditions for HRD Scheme of D/O Health Research. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. I/We agree to submit within one month from the date of termination of the project the final report and a list of articles, both expendable and non-expendable, left on the closure of the project.

- iii. I/We agree to submit audited statement of accounts duly audited by the auditors as stipulated by the ICMR/DHR.
- iv. It is certified that the equipment(s) is/are not available in the Institute/Department or these are available but cannot be spared for the project
- v. It is further certified that the equipment(s) required for the project have not been purchased from the funds provided by ICMR/DHR for another project(s) in the Institute.
- vi. I/We agree to submit (online) all the raw data (along with descriptions) generated from the project to the ICMR/DHR Data Repository within one month from the date of completion /termination of the project.

If any equipment already exists with the Department/Institute, the investigator should justify purchase of the another equipment.

Signature of the:

- a) Fellow \_\_\_\_\_
- b) Mentor /Co-Investigator \_\_\_\_\_
- c) Head of the Department \_\_\_\_\_

Signature of the Head of the Institution with seal

Date:

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Adequate information must be furnished in a brief but self-contained manner.

## Section-B

### BIODATA OF THE MENTOR/CO-INVESTIGATOR

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1. Name (Dr./Kum./Smt./Shri) \_\_\_\_\_  
First name(s)      Surname
  2. Designation:
  3. Complete Postal Address, Telephone Number, Fax, e-mail etc.
  4. Date of Birth:
  5. Educational Qualification : Degrees obtained (Begin with Bachelor's Degree)
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Degree	Institution	Field(s)	Year
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6. Research/Training Experience
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Duration	Institution	Particulars of work done
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7. Research specialization (Major scientific fields of interest)
  8. Important recent publications (last 5 years, with titles and References), including papers In press
  9. \*Financial support received
    1. From ICMR/DHR  
Past  
\*Present  
\*Pending
    2. From other sources  
Past  
\*Present  
\*Pending
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