

Call for proposals to establish Centre for Advanced Research (CAR) under Extramural Program

Overview and purpose

Under its Extramural Research Programme, Indian Council of Medical Research (ICMR) funds Centre for Advanced Research (CAR) to promote advanced research by experienced research teams.

What the CAR is expected to do:

Conducting decisive research that helps in solving an important healthcare problem by a research team. It can have single or multiple linked research projects with clear deliverables.

Priority diseases or conditions

Research teams planning to undertake studies in finding solutions for prevention, screening, diagnosis, treatment or rehabilitation of the following diseases or conditions will receive preference for selection as CAR.

Table-1: Priority Diseases and conditions

Communicable Diseases	Non-Communicable Diseases	Reproductive, Maternal and Child Health, Nutrition
One-health	Cancer	Anaemia & micronutrient deficiencies
Antimicrobial resistance	Cardio-vascular diseases	Childhood Malnutrition
Tuberculosis	Diabetes	Early Child Development; particularly improving neurodevelopmental outcomes of small and sick newborns
Vector Borne Diseases	Chronic Kidney Disease	Neonatal Mortality Reduction- Preterm/LBW, asphyxia, neonatal sepsis
Respiratory Infections	Chronic liver/GE diseases	Genetic disorders/congenital anomalies
Neurological Infections	Chronic Respiratory diseases	PCOS/endometriosis
Hepatic infections	Neurological Conditions	Antenatal, intrapartum and post-natal care
Sepsis	Mental Health	Preconception care
AIDS, Sexually Transmitted Infections	Blood disorders including hemoglobinopathies	Obstetric hemorrhage
	Oral Health	
	Ageing	

Duration of project and funding: Current budgetary ceiling is 15 crores per CAR. Duration of project will be for five years.

How to apply

A proposal can be submitted for financial support through ONLINE MODE ONLY by the Principal Investigator on behalf of the proposed team of Scientists/ professionals who have a regular employment in Medical Institutes/ Research Institutes/ Universities/ Colleges/ recognized Research & Development laboratories/ Government and semi-government organizations and NonGovernmental Organizations The research team should have credentials for relevant skills, experience and demonstrated ability to solve health problems under consideration.

ICMR scientists/institutes are not eligible to apply under this call. ICMR scientists may be named as co-investigators in these projects, but no funds will be given for ICMR institutions or scientists in these cases.

Format for project proposal is provided at Annexure-I

Proposal Review Process

Two independent experts will review and score each project proposal. The scoring criteria are as follows:

- | | |
|---|----|
| 1. Skill and capacity of Research team (PI, CoPI): | 20 |
| 2. Publications* since 01-Jan-17 including IF | 20 |
| 3. Impact of publications (public health policy/clinical protocol/patent) | 20 |
| 4. Concept note of proposed research | 40 |

Total **100**

(* Publications as first, last or corresponding authors)

Based on independent review by two experts, the proposals will be shortlisted. The PI will be requested to submit a detailed proposal if the concept proposal is shortlisted. The detailed proposal will be reviewed by the CAR Selection Committee.

Timeline

Activities	Date
Release of Call	01 st June-2023
Submission of CAR concept notes*	31 st July-2023
Shortlisting of Concept Notes	31-August-2023

Submission of detailed proposal	30-Sep-2023
Selection of CAR after review in Project Selection Committee	15-Nov-2023

** ICMR epms portal will accept Centre for Advanced Research (CAR) under Extramural Program between 15th June-2023, 00:00 hrs IST to 31st July-2023 17:00 hrs IST*

ANNEXURE_I: Format for submission of Concept note for Centre for Advanced Research

- Title of the proposed CAR (up to 25 words):** should be **specific, concise** and yet sufficiently descriptive and informative.
- Summary (up to 250 words):** A structured summary should contain the following subheadings: (i)Rationale/ gaps in existing knowledge, (ii)Novelty, (iii)Objectives, (iv)Methods, and (v)Expected outcome.
- Does it cover a priority area? If yes please select the most appropriate one from the list below:

Communicable Diseases	Non-Communicable Diseases	Reproductive, Maternal and Child Health, Nutrition
<input type="radio"/> One-health	<input type="radio"/> Cancer	<input type="radio"/> Anaemia & micronutrient deficiencies
<input type="radio"/> Antimicrobial resistance	<input type="radio"/> Cardio-vascular diseases	<input type="radio"/> Childhood Malnutrition
<input type="radio"/> Tuberculosis	<input type="radio"/> Diabetes	<input type="radio"/> Early Child Development; particularly improving neurodevelopmental outcomes of small and sick newborns
<input type="radio"/> Vector Borne Diseases	<input type="radio"/> Chronic Kidney Disease	<input type="radio"/> Neonatal Mortality Reduction- Preterm/LBW, asphyxia, neonatal sepsis
<input type="radio"/> Respiratory Infections	<input type="radio"/> Chronic liver/GE diseases	<input type="radio"/> Genetic disorders/congenital anomalies
<input type="radio"/> Neurological Infections	<input type="radio"/> Chronic Respiratory diseases	<input type="radio"/> PCOS/endometriosis
<input type="radio"/> Hepatic infections	<input type="radio"/> Neurological Conditions	<input type="radio"/> Antenatal, intrapartum and post-natal care
<input type="radio"/> Sepsis	<input type="radio"/> Mental Health	<input type="radio"/> Preconception care
<input type="radio"/> AIDS, Sexually Transmitted Infections	<input type="radio"/> Blood disorders including hemoglobinopathies	<input type="radio"/> Obstetric hemorrhage
	<input type="radio"/> Oral Health	
	<input type="radio"/> Ageing	

4. Area of research (Please mark primary and secondary research area of CAR)

- Discovery research** aimed at finding novel interventions (basic research). It may include projects on novel diagnostics, devices, therapeutics and vaccines including phytopharmaceuticals and traditional medicines and genomic methods/algorithms/tools for personalized medicine etc.
- Development research** aimed at developing interventions for screening, diagnosis, prevention, treatment of diseases/conditions or make existing interventions simpler, safer, more efficacious, or more affordable. Examples of such research includes development of Point of care tests, molecular diagnostic tests, animal models for diseases appropriate dosage and formulations, artificial intelligence and machine learning predictive tools/models, phase 2/3 (or equivalent phase) clinical trials of vaccine and therapeutics etc.

Delivery research or implementation research aimed at learning how to overcome barriers in delivering effective interventions to the people who need them. This will include health system-based interventions to increase access, and to successfully implement national health programme or schemes, reducing inequity and improve quality of health care.

4. **Short Curriculum Vitae highlighting research skills, content expertise and grants:**
(Annexure-II)
 1. Short CV of PI : (maximum 4 pages)
 2. Short CV of Co-PI-s: (maximum 4 pages)
3. **Institutional Support/ Facilities:** Mention the efforts made to achieve inter-departmental or interinstitutional collaboration needed for study implementation, details of coordination between clinical, laboratory and data management procedures etc.
4. **Laboratory facilities (in-vitro/ in-silico):** institutional resources such as instruments/ equipment/ animal house and other physical resources available for use in the project proposed etc.
5. **Budget:** Budget should be as per ICMR guidelines available on the website. Justifications for all sub-headings under budget (as per ICMR format) is to be provided in detail.
6. **Conflict of Interest Declaration (if any):** PI will be asked to submit declaration, if shortlisted.
7. **Additional supplementary information including figures, tables, flow diagrams, etc. can be shared as PDF (20-30 KB).**

Annexure-I

Format of Curriculum Vitae for PI / CoPI **Personal**

Details

Name	
Contact details	
Date of Birth	
Academic Qualification	
Affiliation	
Fellow of Academies, (mention names of academies, if any)	
H-index	
Domain Expertise	

List of publications since 01-01-2017

Publication details in AMA style	Impact factor of journal	Name of policy/programme/ protocol document or patent/commercialization of products where cited.

(* Publications as first, last or corresponding authors)

List of projects undertaken since 01-01-2019

Short title of the project	Primary objective (in brief)	Type of study (e.g. RCT / Prevalence/Lab-based)	Funding agency	Grant amount	Time period

List of patents since 01-01-2017

Title of Patent	Date of filing	Name of the institute (collaborative)	Whether patent is commercialized or not, If yes, Give the details

Important note for the submission of proposal:

1. Submission Portal will open from 15th June-2023
2. Open the ICMR Electronics Project Management System (e-PMS) portal <https://epms.icmr.org.in>. The user manual of e-PMS (under Guidelines → e-PMS manual) is available on the portal.
3. Project proposal submission is three steps process in e-PMS:
Step 1: PI registration/ Login (<https://epms.icmr.org.in/userLogin>)
Step 2: Verify email ID and complete/ update PI profile

Step 3: Proposal submission

4. After completing mandatory section of PI profile, click on “Proposal submission → Click on Call for proposal Click on the click here to apply new proposal against ‘Call for proposals to establish Centre for Advanced Research (CAR) under Extramural Program’ → Fill the form step by step.
5. Please submit the budget in prescribed format.
6. Inclusion of at least one Co-PI from PI’s institute is mandatory.
7. PIs are advised to submit proposal well ahead of the last date, since servers may be overloaded and slow to respond.
8. **For any queries related to the call, please contact**

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Scientist C

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Format of Budget for ICMR Extramural Call (Staff, Equipment, Contingency/Consumables and Travel Allowance)

Staff/Manpower	
Sl. No.	Salary (As per ICMR Project guidelines)
Justification of Staff/Manpower	

Equipment				
Sl. No.	Equipment Name	Estimated cost with Quotations (Preferably of GeM)	Justification	Mode of Proposed disposal

Contingency	
Detail	Breakup with Justification
Year 1: Total Amount (e.g. 50,000) (amount is just for reference)	1) Item 1: 20,000/- 2) Item 2: 30,000/-
Year 2:	--
Year 3:	--

Consumables	
Detail	Breakup with Justification
Year 1: Total Amount (e.g. 5,00,000) (amount is just for reference)	1) Item 1: 2,00,000/- 2) Item 2: 3,00,000/-
Year 2:	--
Year 3:	--

**Format of Budget for ICMR Extramural Call
(Staff, Equipment, Contingency/Consumables and Travel Allowance)**

Travel Allowance	
Detail	Justification
Year 1:	
Year 2:	
Year 3:	

Overhead charges(as per rules)	
Grand Total	

**Signature of the Principal Investigator
with Stamp**

**Accounts Officer
with Stamp**

**Signature of Head of the Institute
with Stamp**

Date:_____