

## Key Highlights:

- Zero-cost initiative offering end-to-end support to innovators for Patent filing and Technology transfer.
- End to end digital operations through a dedicated online portal.

## What's New:

- Initiative now welcomes applications from **start-ups & Institution-led biomedical innovators**
- Portfolio includes Technologies available for licensing, Biomaterials for material transfer, and Patents available for licensing.
- Upcoming lecture series from industry experts

**11k+**

Innovators Engaged through outreach sessions

**250+**

Patentability Assessments completed

**150**

Biomedical Patent Applications Filed

**32**

Technology Transfer deals facilitated

## About the Initiative:

The Medical Innovations Patent Mitra Initiative supports biomedical innovation by providing end-to-end patent and technology transfer facilitation to accelerate research translation into societal impact. It strengthens IP protection while advancing India's goals of Atmanirbhar Bharat, equitable healthcare access, and the vision of Viksit Bharat 2047.

Over the past year, the initiative has expanded its reach and strengthened national IP capacity through deeper engagement, collaborative initiatives, and hands-on training, helping bridge the gap between research and real-world application to move innovations closer to commercialization.

## Who Can Apply?

**01**

ICMR Intramural Institutes

**02**

ICMR Extramural Grantees

**03**

Medical Colleges/Institutes

**04**

Start-ups (DPIIT Registered)

**05**

Institution-led Biomedical Innovators



Scan to register



New Categories Added

# Key Achievements

## Demonstrated Impact in the First Year:

- ❖ **250+** Patent filing requests received
- ❖ **200+** Cases evaluated for patentability
- ❖ **150** Patent applications successfully filed
- ❖ **1,000+** Innovators supported through guidance and facilitation



Vaigyanik Training @ Indian Patent Office



DHR-ICMR Health & Research Excellence Summit Bharat Health - India MedTech Expo, 2025

# Technology Impact

- ❖ **Bharat Health - India Med-Tech Expo 2025:** Under the Medical Innovations Patent Mitra initiative, the Indian Council of Medical Research (ICMR) facilitated **17 successful technology-transfer agreements** with **nine industry partners**. The showcase featured several high-value, indigenously developed technologies, including the **Recombinant Malaria Vaccine**, **Salmonella Vaccine**, and **Shigella Vaccine**. These advances reflect ICMR's continued commitment to strengthening India's med-tech ecosystem and accelerating the availability of cutting-edge public-health solutions.
- ❖ **DHR-ICMR Health & Research Excellence Summit 2025:** At the 2025 Summit, ICMR executed **15 technology-transfer agreements** with **three industry partners**, marking a significant stride in translating publicly funded R&D into deployable healthcare tools. Key technologies transferred included the **Rapid LAMP Diagnostic Kit for Nipah and Mpox**, as well as **Multiplex RT-PCR platforms** for the diagnosis of **Influenza A & B** and **SARS-CoV-2**. The ceremony was graced by **Smt. Anupriya Patel, Hon'ble Union Minister of State, Ministry of Health & Family Welfare**, whose presence underscored the Government of India's sustained focus on innovation-led growth and the delivery of accessible, high-quality healthcare solutions for the nation.

## Capacity Building & Outreach

- ❖ **Lecture Series and Expert Engagement:** ICMR, organized the inaugural lecture under Patent Mitra lecture Series on 15 January 2026 where Dr. Unnat P. Pandit was an eminent speaker.
- ❖ **Training programs for Innovators:** ICMR and the Indian Patent Office conducted the **Vaigyanik Training** programme from 28–30 January 2026 at IPO Dwarka to strengthen IP skills among ICMR scientists. The three-day hands-on training covered covering crucial IP components.
- ❖ **Webinars and Digital Outreach sessions:** ICMR conducted a series of 8 webinars under the Medical Innovations Patent Mitra initiative, engaging more than **11,000 innovators** from medical colleges, engineering institutes, start-ups, and other biomedical researchers across the country.
- ❖ **Intellectual Property Awareness Workshop:** ICMR, in collaboration with the Indian Patent Office, conducted a series of one day Medical Innovations Patent Mitra Awareness and Experiential Learning Workshops for biomedical innovators to build IP awareness at the following institutes:
  - Post Graduate Institute of Medical Education & Research, Chandigarh (PGIMER)
  - National Institute of Pharmaceutical Education and Research (NIPER), Mohali
  - King George's Medical University, Lucknow (KGMU)
  - Venture Centre – Pune
  - Armed Forces Medical College, Pune (AFMC)
  - Maulana Azad Institute of Dental Sciences, Delhi (MAIDS)
  - Sree Chitra Tirunal Institute for Medical Sciences and Technology
  - FITT Bootcamp – IIT Delhi

## Technology Exhibits

### End-to-End Innovation Showcase: 50+ Technologies from Concept to Market-Readiness:

- ❖ ICMR's Medical Innovations Patent Mitra showcased a curated pipeline of more than **50+ Early-, Mid- and Late-stage healthcare technologies** across multiple national platforms including the **India MedTech Expo 2025, the DHR-ICMR Health Research Excellence Summit 2025, the AIIMS & ICMR National Workshop 2025, and the STEM Summit 2026** demonstrating a strong and steadily maturing innovation portfolio with clear industrial relevance and commercialization potential.
- ❖ The portfolio included advanced viral and vector-borne disease diagnostics (such as **Nipah, KFD, Monkeypox, JE, Dengue, Chikungunya, CCHF, Measles, Chandipura**), multiplex PCR/LAMP platforms, next-generation vaccine candidates (**Salmonella, Shigella, malaria**), novel TB detection systems (**stool NAAT, CRISPR-based assays**), and impactful vector-control solutions like biolarvicides and insecticidal paint. Also featured were **specialised haematology and genetic assays and functional nutrition formulations**, reflecting a broad, industry-relevant innovation pipeline with strong translational and commercialization potential

## Patent Spotlight

### 'In Vitro Detection' of Nematode Cancer barred under Section 3(i) of Patent Act:

The Delhi High Court upheld the Patent Office's refusal of Hirotsu's application, ruling that the nematode-based cancer detection method falls under the Section 3(i) bar on diagnostic processes. The Court rejected the argument that it was merely an in-vitro screening tool, noting that Section 3(i) applies to in-vitro diagnostics as well.

The Court held that the specification described a diagnostic method, collecting data, comparing it to reference values, and identifying cancer placing it within the statutory exclusion. The appeal was dismissed, and the Controller's rejection of the application was upheld.

(Source: [https://delhihighcourt.nic.in/app/showFileJudgment/68717012026CAP452023\\_185247.pdf](https://delhihighcourt.nic.in/app/showFileJudgment/68717012026CAP452023_185247.pdf))

### New Technologies Available for Transfer through Expression of Interest

- ❖ Bacteriophage lysin as an alternative to MGIT PANTA to control normal flora in processed sputum specimens for rapid detection of Mycobacterium tuberculosis using BACTEC MGIT 960 system.
- ❖ A process for differentiating species of Plasmodium (Diagnostics).
- ❖ Stool NAAT for paediatric TB detection.
- ❖ Multiplex RT-PCR for simultaneous detection of Influenza A and B, RSV A/B and SARS-CoV2 (Diagnostics).

For more details: <https://patentmitra.icmr.org.in/ttcellf/?category=active-eoi>

For ICMR technologies: <https://patentmitra-audit.icmr.org.in/ttcellf/?category=technologies>

### Bio-materials Available for Transfer

- ❖ Unlock ICMR's high-value biomaterials: Characterized Bacterial and viral isolates – including SARS-CoV-2 B1, Nipah, CCHF, Chandipura, Measles & Influenza – now available for industry transfer through the Patent Mitra initiative.

For more details: <https://patentmitra.icmr.org.in/ttcellf/?category=biomaterials>



#### Coming soon..

Distinguished Lecture by:

Malathi Lakshmikumaran

Director, Lakshmikumaran & Sridharan, Attorneys

#### What our Innovators say:



This initiative is set to advance significantly and make a lasting impact in the field of bio-medical innovation ecosystem, contributing meaningfully to the Viksit Bharat Mission 2047.

**Dr. Balasubramanian Ganesh**  
Assistant Director, ICMR-NIE



We are truly grateful to the Patent Mitra team for their invaluable support in helping us realize the full potential of our innovation. Their expert guidance empowered us to navigate the patent-filing process with clarity, bridging the gap between research and protection.

**Dr. Jagriti Narang**  
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