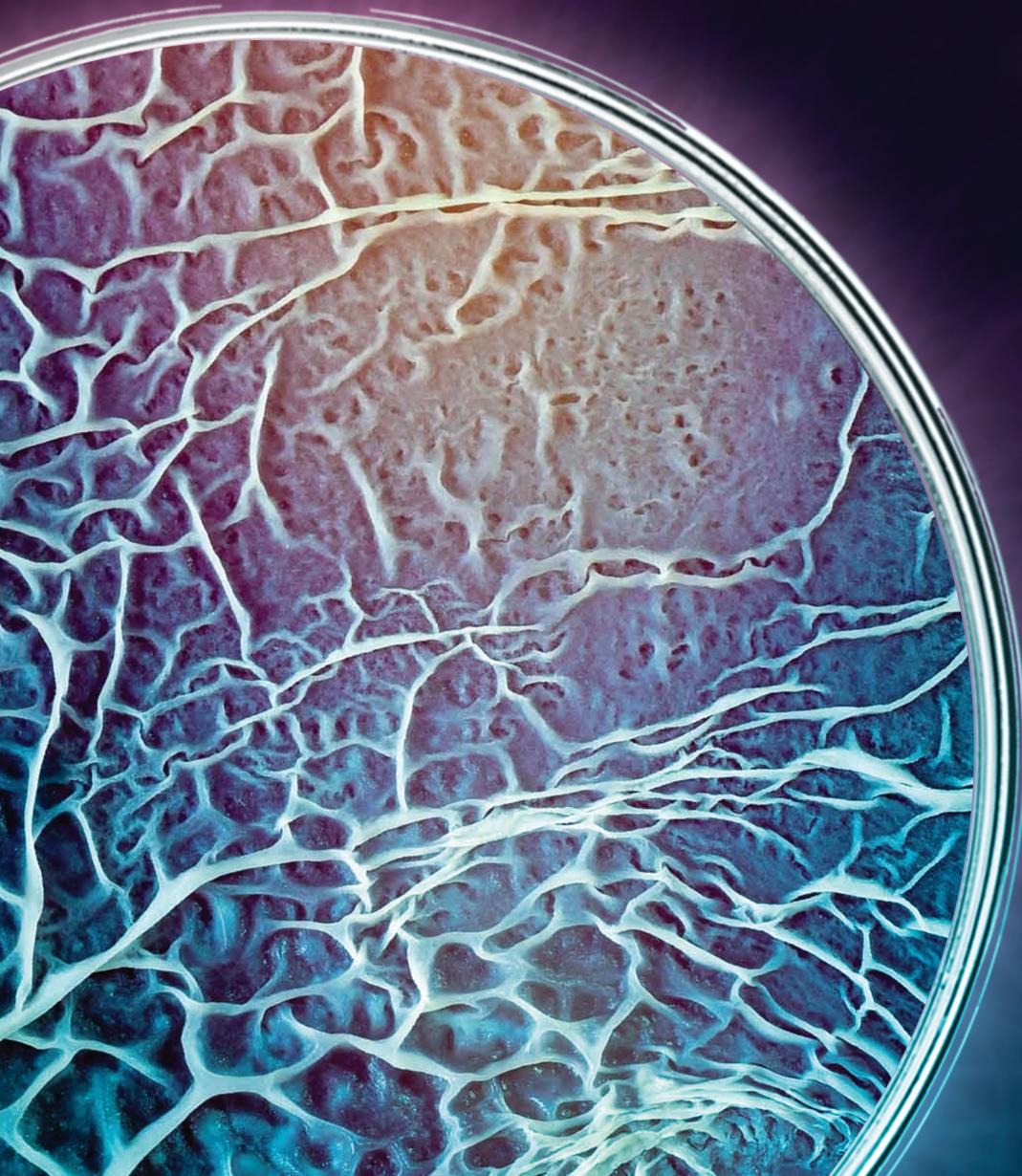


**INDIA AMR  
INNOVATION  
HUB**

A Convergent  
Think Tank Addressing  
**Antimicrobial Resistance**  
in India and Beyond





## The Challenge

Antimicrobial Resistance (AMR) is a major global health threat that has caused more deaths than HIV/AIDS and malaria worldwide in 2019, as per recent studies.

Projections show that AMR-related mortality will reach 10 million annually by 2050 globally, with India alone accounting for 2 million.



## The Scope

Create a common platform to drive AMR-focused research, innovation, policy, and action to support national efforts to reduce AMR in India and beyond.

Collaborate with multiple stakeholders across the public health ecosystem for expertise, resources, and convergence of mandates to enable collective and collaborative action.

Address AMR through trans-disciplinary, multi-sectoral, and inclusive or holistic approaches.



## The Convergence

Launched in November 2021, India AMR Innovation Hub (IAIH) works in tandem with several key Indian and global stakeholders from Government, Academia, Industry, Philanthropic, Startups, and not-for-profit organisations.

IAIH will prioritise key areas through stakeholder engagement and a multi-pronged approach that aligns with the National Action Plan (NAP) on AMR, the Global Action Plan (GAP) on AMR, and the stakeholders' mandate.

## IAIH Partners



Office of the Principal Scientific Adviser to the Government of India



DEPARTMENT OF BIOTECHNOLOGY  
MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA





*“The global threat of AMR requires that all the stakeholders working in the field come together and fight it collectively. We believe that such an effort by all stakeholders is needed now. At C-CAMP, we have anchored IAIH, a converging platform that brings academia, industry, startups, government, philanthropy, hospitals, and other stakeholders to the same table, enabling exchange and synergy in the fight against this global challenge.”*

**Dr. Taslimarif Saiyed, CEO and Director of C-CAMP**

## The Vision

IAIH envisions a converging and collaborative platform for national and global stakeholders to curtail AMR in India through active participation and gradually tackle this global health challenge.

## The Focus Areas

- Human AMR
- Human-Animal-Agri Ecosystem Interface (One Health)
- AMR in Environment
- AMR Stewardship
- AMR Surveillance and Public Health Preparedness

## The Mission

The mission is to integrate necessary interventions for enabling the AMR Innovation Ecosystem, such as developing public health policy, capability and capacity building, AMR stewardship, and public communication.

## The Outcomes

- Contributing towards reducing the AMR burden in India and beyond
- Delivering specific interventions to lower the projected mortality rate in India
- Enhance investments to combat AMR in India



*“If we want to solve the huge global threat posed by AMR, India will have to play a central role. We are one of the first countries globally to initiate a National Action Plan on AMR. But we need more cohesion and direction in our efforts. India AMR Innovation Hub, anchored by C-CAMP will be a platform for convergence of mandates across the ecosystem to enable collective action.”*

**Prof. Ajay Kumar Sood, Principal Scientific Adviser to the Government of India, and Chair, IAIH Advisory Council**

## The Functioning

The IAIH's mandate is fulfilled by five Special Interest Groups (SIGs), subsets of the Advisory Council, each focusing on:

- Problem Identification
- Solution Articulation
- Collective Implementation
- Systemic Integration

## The Activities

IAIH gathered input on the National Action Plan (2017-22) from its partners and stakeholders to develop the next five-year plan (2022-26) for AMR.

The detailed report includes recommendations on various policy implementation, assessment, ownership, and global integration aspects of India's AMR efforts from a multi-sectoral perspective, ultimately accelerating on-ground impact.

## Targeted Programs

IAIH, through its SIGs, would align with its mandate to achieve the envisaged outcomes in the five focus areas through the following programs:

- Grants and funding
- Accelerator for discovery, research, commercialisation
- Challenges/quest
- Clinical studies support
- Research reports and policy papers
- Awareness and education

## India AMR Innovation Hub (IAIH)

The IAIH is conceived and driven by the Centre for Cellular and Molecular Platforms (C-CAMP), a premier technology, bio innovation, and entrepreneurship ecosystem based in Bengaluru, India.

## Centre for Cellular and Molecular Platforms (C-CAMP)

C-CAMP, an initiative of the Department of Biotechnology, Ministry of Science and Technology, Government of India, was established in 2009 as an enabler of cutting-edge innovation and deep-science-led entrepreneurship. C-CAMP today is considered one of India's most exciting Life Science ecosystems. It has supported over 2,500 research programs through its high-end technology platforms and funded, incubated, and mentored over 300 start-ups across all life sciences domains.

### Contact us

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The texture of an antibiotic-resistant bacterial biofilm in nutrient medium on a petri plate as seen under a Scanning Electron Microscope (SEM). The theme depicts the global threat of AMR and the urgent need for solutions.

