

September 11-12th 2026

National Symposium on One Health – Bridging Ecosystems and Human Health



Gates
Foundation



Our Sponsors



premas
life sciences



ZELLE
BIOTECHNOLOGY



CHEMIC INDIA
SOLUTION FOR ALL YOUR NEEDS



Bio Genomics Asia
LOCAL EXPERT, GLOBAL SOLUTIONS



LCGC
Exclusive solutions for innovative minds

Speakers/Panelists



Dr. Sanghamitra Pati
Additional DG, Director,
ICMR-NIHR



Prof. Durga Madhab Satapathy
Director, DMET



Sri Charudutta Panigrahi
Advisor, AHPI, Member,
GIFT, State Niti



Dr. Prameela Baral
SAG, DPH, Odisha Govt.



Prof. (Dr.) Bidyut Kumar Das
MBBS, MD, SCB Medical
College and Hospital



Dr. Arindam Ray
India Country Lead,
Gates Foundation



Prof. Arindam Maitra
Associate Director &
Professor, BRIC-NIBMG



Dr. Baijayantimala Mishra
Prof., AIIMS Bhubaneswar



Dr. Bhabatosh Das
Professor, THSTI



Prof. Sarika Mehra
Professor, IIT Bombay



Dr. K.P Suresh
Pr.Scientist, ICAR-NIVEDI



Prof. Vineet K Sharma
Professor, IISER-Bhopal



Dr. Souvik Mukherjee
Associate Professor,
BRIC-NIBMG



Dr. Priyabrata Swain
Pr. Scientist, ICAR-CIFA



Dr. Farah Ishtiaq
Pr.Scientist, TIGS



Dr. Rajeev Ranjan
Sr. Scientist, ICAR-NIFMD



Dr. Samarendra Das
Sr. Scientist, ICAR-NIFMD



Dr. Sachinandan De
Pr.Scientist, ICAR-NDRI



Dr. Soumitra Mohanty
Ramalingaswami Fellow,
BRIC-NIBMG



Dr. Debdutta Bhattacharya
Scientist-E, ICMR-NIHR



Dr. Amrutal K Patel
Scientist-D & Joint
Director, GBRC



Dr. Srikant Kanungo
Scientist-D, ICMR-NIHR



Dr. Sakir Ahmed
MBBS,MD,DM, KIMS



Dr. Tapas Kumar Som
Addl.Prof. & Head
AIIMS Bhubaneswar



Dr. Amlan Das
Assoc. Dean R&D, Assam
Royal Global University



Dr. Sanjay Deshpande
Scientist, IBDC



Dr. Tushar K. Beuria
Scientist-F, BRIC-ILS



Dr. Gulam Hussain Syed
Scientist-F, BRIC-ILS

Session Moderators



Dr. Sunil K Raghav
Scientist - F
BRIC-ILS



Dr. Rupesh Dash
Scientist - F
BRIC-ILS



Dr. Jaya Singh Kshatri
Scientist - D
ICMR-NIHR



Dr. Narottam Acharya
Scientist - G
BRIC-ILS



Dr. Ira Praharaj
Scientist - F
ICMR-NIHR



Dr. Priyabrata Swain
Pr. Scientist
CIFA



Dr. Gulam Hussain Syed
Scientist - F
BRIC-ILS



Dr. Souvik Mukherjee
Assoc. Prof
BRIC-NIBMG



Dr. Shantibhusan Senapati
Scientist - F
BRIC-ILS



Dr. Bhawna Gupta
Assoc. Prof.
KIIT



Dr. Anshuman Dixit
Scientist - F
BRIC-ILS



Dr. Vineet Sharma
Professor
IISER, Bhopal



Dr. Soma Chattopadhyay
Scientist - G
BRIC-ILS



Dr. Punit Prasad
Scientist - F
BRIC-ILS

Organizers



Dr. Debasish Dash
Director, BRIC-ILS



Dr. Punit Prasad
Scientist-F, BRIC-ILS



Dr. Sunil K Raghav
Scientist-F, BRIC-ILS



Dr. Tushar K. Beuria
Scientist-F, BRIC-ILS

Program Schedule

DAY-1 (11th September 2026)

08:30-09:30	Registration	
Inaugural Session		
09:45-10:05	Lamp lighting and Inauguration	Dr. Debasis Dash, Director, BRIC-ILS, Dr. Sanghamitra Pati, Additional DG, Director, ICMR-NIHR Dr. Durga Madhab Satapathy, Director DMET, Odisha Govt. Dr. Charudutta Panigrahi, Advisor, AHPI, Member, GIFT, State Niti Dr. Srinivas Patnaik, Director, School of Biotechnology, KIIT
10:05-10:10	Welcome address	Dr. Debasis Dash, Director, BRIC-ILS
10:10-10:15	Inaugural address	Dr. Durga Madhab Satapathy, Director DMET, Odisha Govt.
10:15-10:20	Inaugural address	Dr. Sanghamitra Pati, Additional DG, Director, ICMR-NIHR
10:20-10:25	Inaugural address	Dr. Srinivas Patnaik, Director, School of Biotechnology, KIIT
10:25-10:35	Overview of scientific activities by the Gates Foundation	Dr. Arindam Ray, India country lead, Gates Foundation
10:35-10:40	Symposium Overview and INSACOG consortium	Dr. Punit Prasad, Scientist-F, BRIC-ILS
10:40-11:00	Tea break & Group Photo	
Session I Wastewater-Based Epidemiology		
Session Moderators	Dr. Sunil K Raghav, Scientist-F, BRIC-ILS Dr. Rupesh Dash, Scientist-F, BRIC-ILS	
TIME	SPEAKERS	TITLE
11:00-11:30	Keynote Speaker - Dr. Charudutta Panigrahi, Advisor, AHPI, Member, GIFT, State Niti	A One Health Policy Architecture for Genomics-led Surveillance
11:30-11:50	Dr. Baijayantimala Mishra Prof., AIIMS Bhubaneswar	Emerging Viral Infections of Pandemic Potential: Public Health Approach for Prevention and Control
Session II: Panel Discussion How can we fathom future pandemics: Are we ready yet?		
Session Moderator	Dr. Jaya Singh Kshatri Scientist-D, ICMR-NIHR	
TIME	PANELISTS	DESIGNATION
11:50-12:25	Dr. Charudutta Panigrahi Prof (Dr.) Bidyut Kumar Das Dr. Baijayantimala Mishra Dr. Soumitra Mohanty Dr. Gulam Hussain Syed	Advisor, AHPI, Member, GIFT, State Niti, MBBS, MD, SCB Medical College and Hospital Prof., AIIMS Bhubaneswar Scientist, BRIC-NIBMG Scientist-F, BRIC-ILS

Session III Pathogen Surveillance across Ecosystems Part-I		
Session Moderators	Dr. Narottam Acharya, Scientist-G, BRIC-ILS Dr. Ira Praharaj, Scientist F, ICMR-NIHR	
TIME	SPEAKERS	TITLE
12:25-12:45	Dr. Souvik Mukherjee Assoc. Prof. BRIC-NIBMG	Longitudinal shifts in sewage microbiome with distinct resistome, phageome and SARS-CoV-2 Patterns during INSACOG Wastewater surveillance and its Implications to One Health Research
12:45-13:05	Dr. Vineet K Sharma Prof. IISER Bhopal	Antimicrobial resistance in the human gut microbiome
13:05-13:25	Dr. Tushar K Beuria Scientist-F, BRIC-ILS	Turn off the Pumps: Sensitizing Multidrug-Resistant <i>S. aureus</i> to Bring Antibiotics Back to Life
13:25-14:15	Lunch Break and Networking	
Session IV Pathogen Surveillance across Ecosystems Part-II		
Session Moderators	Dr. Priyabrat Swain, Pr. Scientist, CIFA Dr. Gulam Hussain Syed, Scientist F, BRIC-ILS	
TIME	SPEAKERS	TITLE
14:15-14:35	Dr. Amrutlal K Patel Scientist-D & Jt. Director, GBRC	Wastewater Virome Analysis- Methods & Applications
14:35-14:55	Dr. Farah Ishtiaq Pr. Scientist, TIGS	Decoding pathogens in the environment using genomics in the context of climate change and One Health
14:55-15:15	Dr. Bhabatosh Das Prof. THSTI, Faridabad	Genomics at the frontline of AMR-Surveillance, Diagnostics and therapeutic innovation
15:15-15:25	Dr. Siddhartha Pal, FAS, Premas Life Sciences Pvt. Ltd	From Sample to Surveillance: Building a Genomic One Health Ecosystem for India
15:25-15:35	Dr. Suresh Bhargav D FAS-II (NGS)-Zelle Biotechnology	Twist Surveillance Panels and their applications in Human Health
15:35-16:00	Short Tea break	
Session V Zoonotic Surveillance & Applications		
Session Moderators	Dr. Souvik Mukherjee, Assoc. Prof. BRIC-NIBMG Dr. Shantibhusan Senapati, Scientist-F, BRIC-ILS	
TIME	SPEAKERS	TITLE
16:00-16:20	Dr. Priyabrat Swain Pr. Scientist ICAR-CIFA	Antibiotic resistance patterns of bacterial pathogens sourced from Aquaculture in Odisha
16:20-16:40	Dr. Srikant Kanungo Scientist-D, ICMR, NIHR	From Bite to Care: Strengthening Snakebite Response
16:40-17:00	Dr. Rajeev Ranjan Sr. Scientist, ICAR-NIFMD	Foot and Mouth virus with special reference to Zoonotic importance, transmission, pathogen evolution and One Health Significance

17:00-17:10	Debashis Mohanty Technical Manager, Bioscience Division Thermo Fisher Scientific	From wastewater to public health: Integrated Molecular Solution for pathogen surveillance
Session VI: Panel Discussion Clinicians' perspectives on antibiotic use/abuse and corrective measures		
Session Moderator	Dr. Bhawna Gupta, Assoc. Prof. School of Biotechnology, KIIT	
TIME	PANELISTS	DESIGNATION
17:10-17:45	Dr. Sakir Ahmed Dr. Tapas K Som Dr. Bhabatosh Das Dr. Prameela Baral Dr. Amlan Das	MD, KIMS Addl. Prof. & Head, AIIMS-BBSR Prof. THSTI, Faridabad SAG, DPH, Odisha Govt. Assoc. Dean R&D, Assam Royal Global University
17:45-19:00	Poster Session and Hi-tea	
19:30 onwards	Gala Dinner and Networking	

Note:

- Keynote speaker – 25 minutes with 5 minutes discussion
- Speaker – 15 minutes with 5 minutes discussion
- Panel discussion – 30 minutes with 5 minutes discussion
- Company talk - 7 minutes with 3 minutes discussion

DAY-2 (12th September 2026)		
Session I Data Analytics & AI in Surveillance		
Session Moderators	Dr. Anshuman Dixit, Scientist-F, BRIC-ILS Dr. Vineet K Sharma, Prof. IISER Bhopal	
TIME	SPEAKERS	TITLE
10:00-10:25	Dr. K P Suresh Pr. Scientist, ICAR-NIVEDI	Disease Intelligence Through AI and Advanced Analytics for Predictive Surveillance
10:25-10:45	Dr. Samarendra Das Sr. Scientist, ICAR-NIFMD	Machine Learning-Driven Prediction of Cross-Neutralization in Transboundary Animal Pathogens
10:45-11:05	Dr. Sanjay Deshpande Scientist, IBDC	IBDC: Archival, Sharing and Empowering Biological Data in India
11:05-11:20	Dr. Bikash Modak, NDMC	Modeling HPV Transmission and Cervical Cancer Using a Gender and Age-Stratified Compartmental Approach
11:20-11:35	Dr. Namrata Kharat, NDMC	Anumaan: A Standardized Framework for Estimating AMR-Associated and Attributable Burden Using Patient-Level Data
11:35-12:00	Tea break & Networking	

Session II One Health & Public Health Preparedness		
Session Moderators	Dr. Soma Chattopadhyay, Scientist-G, BRIC-ILS Dr. Punit Prasad, Scientist-F, BRIC-ILS	
TIME	SPEAKERS	TITLE
12:00-12:30	<u>Keynote Speaker</u> - Dr. Sanghamitra Pati Additional DG, Director, ICMR-NIHR	One Health Mission and Research Vision in Indian Scenario
12:30-12:50	Dr. Debducta Bhattacharya Scientist-E, ICMR-NIHR	One Health Approach for elimination of zoonotic diseases with special reference to Anthrax
12:50-13:05	Interactive session with the speakers and delegates on thematic areas	
13:05-13:30	Closing Session (Award Ceremony & Vote of Thanks)	
13:30-14:30	Lunch and Networking	

Note:

- *Keynote speaker – 25 minutes with 5 minutes discussion*
- *Speaker – 15 minutes with 5 minutes discussion*

Only for INSACOG Members

Round table meeting with INSACOG participants, IBDC, BIRAC, NDMC, and NCDC
Dr. Arindam Maitra and Dr. Punit Prasad
 14:30 to 16:30

Time	Speaker	Title
14:30-14:40	Dr. Arindam Maitra, Assoc. Director and Prof. NIBMG	Opening remarks
Agenda Points		
• Data submission to IBDC • Data sharing format and strategy with NDMC -1) What type of modeling, 2) Specific data format required • Discussion on uniform data integration and presentation strategy • Harmonized SOP publication with workflow, images, and examples of data set analysis from real-world scenarios • Requirement for INSACOG newsletter, etc.		

Help Desk

Travel – Dr. Hiren G Dodia (738741046)
 Any other queries – Dr Chinmayee Das (9040799007)
 Mr. Soumendu Mahapatra (9051859428)