



Venture Center
 100, NCL Innovation Park
 Dr. Homi Bhabha Road, Pune –411008
 Email: eventsdesk@venturecenter.co.in
 Phone: +91-20-2586-5877

Technical Workshops Series – 2015

One day Campaign on **Anti-Microbial Resistance: Situation, Needs and Priorities in India** - Organized by Venture Center -

Potential gains	<ul style="list-style-type: none"> • Get an overview of key issues/ challenges and emerging opportunities • Explore potential industry-academia/research/medical fraternity partnerships in technology development and advancement to address Situation of Anti-Microbial Resistance (AMR) in India. Meet and network with innovators, enthusiasts and experts in the Pune region. • Learn about recently announced and upcoming funding opportunities and events related to AMR
Organized by	<ul style="list-style-type: none"> • Bioincubator at Venture Center (Bioincubator at Venture Center is supported by BIRAC, Government of India)
Supported by	<ul style="list-style-type: none"> • Biotechnology Industry Research and Assistance Council (BIRAC) • Venture Center
For whom	<ul style="list-style-type: none"> • Innovators and technologists • NGOs and Social Innovators • Industry professionals • Researchers and students working in AMR • Entrepreneurs/ startups with interest in AMR • Impact/ Social Investors with interest in venture financing for AMR issues. • Medical doctors and clinicians
When	Saturday, 29 th August 2015; 0900 - 1700 hrs
Where	Training Room, Venture Center, 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pune-411008
Contact	Ms. Lipika Biswas, Venture Center, 100, NCL Innovation Park, Dr. Homi Bhabha Road, Pune – 411008 Phone: +91-20-25865877, 64011023, Email: eventsdesk@venturecenter.co.in
Cost	<ul style="list-style-type: none"> • Rs 500/- per head • Register online at: http://www.venturecenter.co.in/workshops/ Attendance only on confirmation of registration. • Limited (40) seats. First preference to innovators and technologists, industry professionals, entrepreneurs, investors, senior researchers, NGOs, Doctors. Students shall be allowed to participate if seats are available. • Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group.



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Introduction

Antimicrobial resistance (AMR) is when microbes (bacteria, parasites, viruses and fungi) are less treatable with one or more drugs used to treat infection. This makes these medications less effective in both treating and preventing infection. Although some people are at greater risk than others, no one can completely avoid the risk of antibiotic-resistant infections. Infections with resistant organisms are difficult to treat, requiring costly and sometimes toxic alternatives. Microorganisms inevitably find ways of resisting the drugs developed by humans, which is why aggressive action is needed to keep new resistance from developing and to prevent the resistance that already exists from spreading. It is an increasingly serious threat to global public health that requires action across all government sectors and society. New resistance mechanisms are emerging and spreading globally.

In this background, through this campaign on Anti-Microbial Resistance (AMR), we aim to network all stakeholders to help initiate useful projects, start-ups etc related to AMR. This workshop is part of a campaign of Venture Center to nucleate and nurture AMR related startups in the Pune region. The workshop is aligned intentionally with the announcement of funding program so as to help facilitate startup creation and to make aware the participants about upcoming events related to AMR.

Workshop aims to:

- Explore potential industry-academia/research partnerships in technology development and advancement.
- Foster networks with industry/academic experts/doctors/entrepreneurs
- Introduce some recent funding opportunities including the UK-India AMR DxC competition 2016.

Workshop Outline

Workshop shall consist of:

- Talks
- Panel discussions
- Networking sessions

Workshop includes

- Workshop includes tea/ snacks, lunch
- Membership in mailing list to follow-up on workshop
- Access to workshop white paper



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Schedule		
Time	Session title	Faculty
0900-930	Registration :	900 Foyer Area
0930-0945	Welcome to Venture Center BioIncubator. Introduction to the workshop.	Pradnya Aradhye
0945-1100	Session 1: Set the stage: Overview, opportunities and challenges in developing technologies in the area of AMR AMR network at ICMR (over skype)	Ramesh Paranjpe Kamini Walia (ICMR)
1100-1130	Networking tea: 900 Foyer Area	
1130-1300	Anti-Microbial Resistance in: Mycobacterium Tuberculosis Malaria Hospital Acquired Infections	Renu Bharadwaj Prakash Doke Rohini Kelkar
1300-1400	Lunch Break	
1400-1515	Panel discussion <ul style="list-style-type: none"> Identification and stream lining of certain key issues related to AMR: Defining problems and areas where technology interventions are needed, exploring user-friendly solutions for using in the community set up. Where will technology intervention work within a reasonable time frame and cost? Ideas for compilation and for the workshop white paper. 	Moderator: Premnath V Panelists: Vijay Nema, Anju Kagal, Sandeep Kadam Anup Anvikar Rapporteur: Mugdha Lele
1515-1545	Networking tea: 900 Foyer Area	
1545-1630	An overview of emerging opportunities: AMR DxC UK-India competition 2016 and Q & A regarding the competition (over skype)	Till Bachmann, University of Edinburgh
1630-1645	Insights by winners of various competitions amongst the VC incubates	Moderator: Pradnya Aradhye
1645-1700	Closing comments and closure of the event and Tea	



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Speakers and Panelists (in alphabetical order of last names)	
 Anup Anvikar	<p>Anup is Scientist 'D' in Microbiology division at National Institute of Malaria Research (ICMR), New Delhi. His fields of specialization include HIV, Tuberculosis and Malaria.</p>
 Pradnya Aradhya	<p>Pradnya is currently Associate, Bioincubator, Venture Center. She has done her M.Tech in Biological Sciences and Bioengineering from IIT Kanpur. Currently she is handling all BioIncubator activities at Venture Center. She is responsible for creating a pipeline of potential and signing-up incubates for the Bioincubator, contributing to build scientific support systems and resources for VC incubates including specific expertise and discussions with scientists to understand their competencies.</p>
 Till Bachmann	<p>Till is a Reader in Personalized Medicine in Infectious Diseases in the Division of Pathway Medicine, University of Edinburgh. His scientific interests focus on Point of Care Testing and rapid molecular diagnostics of infectious diseases; antibiotic resistance targeting stratified medicines as well as bacterial response to <i>in vivo</i> therapy targeting novel biomarkers for diagnostics and drug development. Till has published extensively, is a named inventor on various patent applications, and he has led a number of large interdisciplinary diagnostic projects.</p>
 Renu Bharadwaj	<p>Renu Bharadwaj is Professor and Head, Department of Microbiology, BJ Medical College, Pune. She has several national and international publications to her credit. Her areas of research include pediatric tuberculosis, mother-to-child transmission in HIV, disease burden of leptospirosis. She has also worked on several clinical trials with the pharmaceutical industry. She has been in-charge of several programs of national importance like vector borne disease surveillance and integrated Disease Surveillance program.</p>
 Prakash Doke	<p>Prakash Doke has been Director of Health Services, Government of Maharashtra. Currently he is Professor at Bharati Vidyapeeth, Pune. He has worked extensively at the community level both from implementation and policy development view in the Government health services. His areas of interest include anti-malarial resistance in the community and other infectious diseases of national importance.</p>
 Sandeep Kadam	<p>Sandeep is Consultant Pediatrician and Neonatologist at KEM Hospital and Research Center, Pune. His areas of interest include neonatal ventilation, nutrition and infection.</p>
 Anju Kagal	<p>Anju Kagal is Professor, Department of Microbiology, BJ Medical College, Pune. Her research areas include multi drug resistant and pediatric tuberculosis and other infectious diseases like cholera, H1N1 influenza, HIV infections, leptospirosis etc</p>
 Rohini Kelkar	<p>Rohini Kelkar is Professor and Head, Dept of Microbiology at Tata Memorial Center, Mumbai. She has several national and international publications to her credit. Her areas of interest include Mycobacterial infections and fungal infections in oncology, prevention and control of hospital associated Infections and biomedical waste management. She has been awarded Life Time Achievement Award from the Maharashtra Pollution Control Board for her contributions in the field of Bio Medical Waste management</p>



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 Mugdha Lele	<p>Mugdha is currently working as Manager - Social Innovations at Venture Center. She is Ph.D in Health Sciences from University of Pune. Her areas of interests include epidemiological profiling and molecular diagnostics for diseases of public health importance.</p>
 Vijay Nema	<p>Vijay is Scientist 'C' in the Molecular Biology department at National AIDS Research Institute, Pune. He is Ph.D in Microbiology. He is currently involved in development of new diagnostic tools for AIDS related infections (bacterial, parasitic and mycobacterial infections, study of conservation pattern of existing and new targets of drugs in <i>M.tuberculosis</i>, metagenomic analysis of patient samples for screening and impact assessment of microbial populations using next generation sequencing.</p>
 Ramesh Paranjpe	<p>Ramesh Paranjpe was Director at National AIDS Research Institute, Pune. He received his Ph.D in Microbiology from University of Madras and was the recipient of National Science Talent Search Scholar (1969-1975) award. He did his Post-Doctoral Fellowship at the Laboratory of Parasitic Diseases, NIH and WHO Fellowship at Case Western Reserve University, Cleveland, Ohio, USA. Immunology of HIV infection is his main area of interest and established the presence of strong, poly-clonal cross-clade cytotoxic T lymphocyte response in the early sero-converters. He has more than 50 scientific publications in peer reviewed national and international journals and has contributed to WHO (South East Asia) laboratory guidelines.</p>
 Premnath Venugopalan	<p>Premnath Founding Director – Venture Center and Head, NCL Innovations. He holds a B.Tech. from the Indian Institute of Technology - Bombay and a Ph.D. from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization, working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.</p>
 Kamini Walia	<p>Kamini is Scientist at ICMR, New Delhi. Currently at ICMR, she is engaged in putting together nationwide Antimicrobial Surveillance Network to track the quantum and spread of drug resistance in the country. She has worked extensively with global partners to strengthen the research and development efforts like strategizing new vaccine research, clinical trials, and partnerships in India and facilitating availability of funds for the collaborative projects, manage and coordinate research programs with emphasis on research and development to increase health impact.</p>



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	<p>About Venture Center</p> <p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science & Technology’s National Science & Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center’s focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering.</p> <p>For more information, visit http://www.venturecenter.co.in/</p>
	<p>About Bioincubator</p> <p>The BioIncubator at Venture Center aims to nucleate and nurture technology and knowledge-based enterprises leveraging knowledge in the areas of biotechnology (biopharma, agrobiotech, industrial biotech, clean technology), biomedical engineering/ devices/ diagnostics, biomass value addition/ renewable fuels/chemicals/materials, bioinformatics, bio/medical services and related disciplines.</p> <p>Created with support from DBT-BIRAC under the Bioincubator Support Scheme.</p> <p>For more information, visit http://www.bioincubator.venturecenter.co.in/</p>

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	<p>About BIRAC</p> <p>Biotechnology Industry Research & Assistance Council is a new industry-academia interface and implements its mandate through a wide range of impact initiatives, be it providing access to risk capital through targeted funding, technology transfer, IP management and handholding schemes that help bring innovation excellence to the biotech firms and make them globally competitive.</p> <p>For more information about BIRAC: www.birac.nic.in</p>
	<p>About Venture Center</p> <p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science & Technology’s National Science & Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center’s focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering.</p> <p>For more information, visit http://www.venturecenter.co.in/</p>