



Technical Workshops Series – 2017

Anti-Microbial Resistance in the Indian Context : Point-of-care diagnostics and susceptibility measurements

-- Announcing the Longitude Prize and Discovery Awards 2017 --

- Organized by Venture Center and Nesta, UK -

Potential gains	<ul style="list-style-type: none">• Learn about Discovery Awards 2017 and Longitude Prize• Get an overview of key issues/ challenges and emerging opportunities for developing PoC diagnostics in the Indian context• 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.
Organized by	<ul style="list-style-type: none">• Nesta, UK• Bioincubator at Venture Center (Bioincubator at Venture Center is supported by BIRAC, Government of India)
Supported by	<ul style="list-style-type: none">• Nesta, UK• Venture Center
For whom	<ul style="list-style-type: none">• Innovators and technologists with interest in AMR/diagnostics/susceptibility measurements• 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	Friday, 30 June 2017 Time: 1530 - 1830 hrs
Where	Training Room, Venture Center, 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pune-411008
Contact	Technical queries: Dr Mugdha Lele, Venture Center Mobile: 7410045652 Email: sijp@venturecenter.co.in Registration and logistic queries: Ms. Lipika Biswas, Venture Center, Phone: +91-20-25865877 Email: eventsdesk@venturecenter.co.in
Registration	<ul style="list-style-type: none">• Free event but prior registration required Limited (50) seats• Register online at: http://bit.ly/2rglIS4• Attendance only on confirmation of registration. Confirmation will be sent over email.• Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group.



Introduction

Antimicrobial resistance (AMR) is a growing and severe problem which threatens to reverse many of the achievements of modern medicine. To tackle this menace, the Longitude Prize, a challenge with a £10 million prize fund to reward a diagnostic test that helps solve the problem of global antibiotic resistance has been launched. It is being run by Nesta and supported by Innovate UK as funding partner. In addition to this, the Discovery Awards which are small seed grants to help teams and individuals further develop their ideas for the Longitude Prize have been initiated. The aim is to help teams move their ideas forward, as well as enabling new innovators to enter the race to the Longitude Prize. This latest round of seed funding is provided by BIRAC (a public sector company of the Government of India, Department of Biotechnology) and is open exclusively to teams based in India.

With this focus, Venture Center has launched a campaign on Anti-Microbial Resistance (AMR), with an aim to network all stakeholders to help initiate useful projects, start-ups etc related to AMR. The focus is on development of point-of-care diagnostics and susceptibility measurements in context to the Indian situation. The idea is to nucleate and nurture AMR related startups in the Pune region. The event is aligned intentionally with the announcement of the Discovery awards on 5th of June 2017, so as to help facilitate startup creation and to make the participants aware about upcoming funding schemes 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 the Longitude Prize and Discovery Awards for 2017.

Workshop Outline

Workshop shall consist of:

- Talks
- Panel discussions
- Networking sessions

Workshop includes

- Workshop includes tea/ snacks
- Membership in mailing list to follow-up on workshop

***Please note, the participants will have to arrange for their own travel/local transport and accommodation and dinners.**

- For accommodation (standard and budgeted hotels) please visit: www.venturecenter.co.in/puneguide/standard.php
- For accommodation (deluxe and luxury hotels) please visit: www.venturecenter.co.in/puneguide/deluxe.php
- For local transport details visit: www.venturecenter.co.in/puneguide/taxi.php



Schedule		
Time	Session title	Faculty
1515-1530	Registration and networking tea/coffee	
1530-1540	Welcome and Introduction to Venture Center Introduction to workshop, speakers and participants.	Manisha Premnath Mugdha Lele
1540-1610	An interactive introduction to Longitude Prize and Discovery Awards 2017 : Goals and rules followed by Q&A	Daniel Berman
1610-1720	<u>Technical session</u> <ul style="list-style-type: none">• Point of Care (POC) diagnostics for microbial infections and POC susceptibility measurements: The need in Indian context (30 mins)• Point of Care diagnostics for reducing antibiotic misuse in the context of animal health (15 mins)• Community health perspective on AMR and susceptibility measurements (15 mins)• Q & A and discussion : (Topics shall include merits and demerits of distributed measurements and decision making) (10 mins)	Ramesh Paranjape Sambuddha Ghosh Prakash Doke Manisha Premnath
1720-1750	Panel discussion on effectively leveraging the Discovery Awards to take your ideas ahead and make a difference. Panelist shall include previous awardees and prospective applicants	Milind Choudhari (Wellnovate), Sandeep Kadam, Kavita Parekh, Sudeshna Adak (Omix), Radha Rangarajan (Vitas Pharma - over skype), Daniel Berman V Premnath
1750-1800	Closing comments and closure of the event	V Premnath
1800	Networking high tea reception	



Speakers and Panelists (in alphabetical order of last names)



Sudeshna Adak (Omix)

Sudeshna is CEO & Director at OmiX Labs, which is dedicated to developing low-cost devices and processes for diagnosing infectious diseases. She is a PhD from Stanford University and holds a Diploma in Mgmt for Entrepreneurs from IIM Bangalore. She has a total of 19 years experience at Harvard, Dana-Farber and GE Healthcare in her domain.



Daniel Berman

Daniel is the Lead, Longitude Prize, Challenge Prize Centre at Nesta in London. He previously worked at Médecins Sans Frontières (MSF) for more than 15 years. He was the Deputy Director of MSF's Access Campaign and more recently the Executive Director of MSF Southern Africa based in Johannesburg. Previous to moving to London, Daniel worked for the World Health Organisation in their Ethiopian Country office.



Milind Choudhari

Milind is Founder and CEO of Welnnovate Biosolutions Pvt. Ltd, a startup incubated at NCL Innovation park, Pune. He is Masters in Biotechnology from GHRIT, Nagpur and PhD in Microbiology from Agharkar Research Institute, University of Pune. He has previously developed a rapid UTI detection kit and DNARAP; a one-step DNA isolation method. He has several papers and patents to his credit. Welnnovate has received funding from BIRAC under the BIG and SBIRI schemes and NSTEDB scheme from DST.



Prakash Doke

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.



Sambuddha Ghosh

Sambuddha Ghosh is the founding Director of AbGenics LifeSciences Private Ltd and ABEL Biosolutions Private Ltd, Pune, India. Dr Ghosh has worked as a senior scientist at Hoechst Roussel Vet and Intervet (AkzoNobel). He has functioned in senior management positions of various other multinational organizations and vaccine operations for more than 20 years. He is a doctorate in Veterinary Virology, with experience in vaccine production, quality control as well as developmental and translational research. His major focus area has been vaccine research, production and quality control with proficiency in the areas of vaccine development, CMC submission, planning and development, including composition requirements and strategic options



Sandeep Kadam

Sandeep is Consultant Pediatrician and Neonatologist at KEM Hospital and Research Center, Pune. His areas of interest include neonatal ventilation, nutrition and infection.



Mugdha Lele

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. She has been a Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) Fellow at the Said Business School, University of Oxford, UK during 2016, where her focus was on Social Innovations and entrepreneurship.

 <p>Ramesh Paranjape</p>	<p>Ramesh Paranjape is M.Sc. in Medical Microbiology from AIIMS, New Delhi and Ph.D. from University of Madras, Chennai. He has worked as Post-doctoral fellow at National Institutes of Health, USA and Johns Hopkins University, USA for one year each and Case Western Reserve University, USA for three months. During 38 years of career in Indian Council of Medical Research he has worked on the Immune responses to Infectious Diseases including Filariasis, Tuberculosis and HIV/AIDS. He has provided leadership as the Director of ICMR-National AIDS Research Institute for 16 years. Some of the prestigious research projects undertaken include development and testing of experimental HIV vaccines, drug resistance to anti-HIV drugs, screening herbal and new molecules for anti-HIV activity, characterization and evolution of HIV in India. He has over 220 research papers in National and International journals and has filed 3 patents. He has played a major role in forging National and international collaborations. He has been involved in the activities of National AIDS Control Programme in advisory capacity. He has worked as Temporary Advisor to WHO on a number of occasions. He is chief editor of Journal of Global Infectious Diseases and has been member of editorial board and reviewer for many scientific journals.</p>
 <p>Kavita Parekh</p>	<p>Kavita is Assistant Professor in the Dept of Microbiology at Modern College, Pune. She is Ph.D in Health Sciences from University of Pune and her areas of interest include molecular diagnostics and anti microbial resistance. She has more than 10 years of teaching and research experience.</p>
 <p>Manisha Premnath</p>	<p>Manisha is General Manager at Venture Center. Manisha holds a Ph.D in Biotechnology from University of Pune and Post-doctoral training from University of Cambridge, UK. She has been a Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) Fellow at the Said Business School, University of Oxford, UK during 2015 where she had the opportunity to study technology innovation ecosystems. She has research experience in biotechnology, microbiology, fungal biotechnology, molecular biology and molecular virology. She has experience in planning and setting up of advanced scientific facilities and program management.</p>
 <p>Radha Rangarajan</p>	<p>Radha is co-founder and CEO of Vitas Pharma, Hyderabad. She has a Bachelors in Biology from Stanford University, Masters from the University of Michigan, Ann Arbor and a Ph.D. in Neurobiology/Genetics from Rockefeller University, New York. She has been a postdoctoral fellow at the Harvard School of Public Health where she conducted research on the transmission of the malaria parasite. Earlier she was scientist in the Drug Discovery division of Dr. Reddy's Laboratories managing research programs in anti-infectives and metabolic disorders.</p>
 <p>Premnath Venugopalan</p>	<p>Premnath is 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>



Organized by



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.

For more information, visit <http://www.venturecenter.co.in/>



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.

Created with support from DBT-BIRAC under the Bioincubator Support Scheme.

For more information, visit <http://www.bioincubator.venturecenter.co.in/>

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Nesta is an innovation foundation which backs new ideas to tackle the big challenges of our time. Nesta's vision is to see a world full of potential, where new ideas solve the big challenges that matter to everyone. Their mission is to seek out, spark and shape powerful new ideas, joining with others to take on the big challenges of our time and shift how the world works for everyone.

For more information, visit: <http://www.nesta.org.uk>

Longitude Prize: <https://longitudeprize.org/>



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