



Venture Center
100, NCL Innovation Park
Dr. Homi Bhabha Road, Pune –411008
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Technical Workshops Series – 2015

Two-Days Hands on Workshop on
PCR and Real-Time PCR: Techniques and Applications
- Organized by Venture Center -

Learn	<ul style="list-style-type: none">• Get an overview of principles and theory of PCR and Real-time PCR techniques• Hands-on lab experiments on PCR, Real-time PCR.• Applications of these techniques in various fields
Organized by	<ul style="list-style-type: none">• Venture Center – a Technology Business Incubator
For whom	<ul style="list-style-type: none">• Biotechnology and pharmaceutical industry professionals• Researchers, students and faculty from various disciplines of life sciences and health sciences• 20 seats; First-come-first-serve
When	8 th and 9 th September 2015
Where	Training Room and Lab Block, Venture Center, 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pashan, Pune-411008
Contact	Ms. Lipika Biswas Phone: +91-20-25865877 Email: eventsdesk@venturecenter.co.in
Cost	<ul style="list-style-type: none">• Students with valid ID card: Rs. 3000/-• Micro and small enterprises/individuals: Rs. 5000/-• Medium and large companies/ others: Rs. 7,000/- Register online at: http://www.venturecenter.co.in/workshops/

Introduction

The workshop will give an overview of PCR, Real-time PCR techniques with hands on sessions for both these methods along with applications of all these techniques in areas of agro-biotech, diagnostics with specific reference to cancer diagnostics and other areas of medical biotech.

Workshop Outline

Workshop shall consist of:

Talks:

- Historical perspective and future trends of PCR and related techniques
- Technical overview of PCR and Real-time PCR
- Applications in Medical diagnostics: Relevance of real-time PCR in cancer diagnostics
- Applications in Agro-Biotech: Expression analysis for oil production in Linseed

Experimental sessions:

- PCR
- Real-time PCR



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Workshop includes

- Hand out and workshop material
- Access to restricted website with online compilation of resources of archival value
- One-on-one interactions with the experts
- Certificate of participation issued by Venture Center
- Tea and lunch at Venture Center Innovation Cafeteria
- Membership in mailing list to other workshops by Venture Center






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

Workshop Schedule

Time (hrs)	Topic	Lead	Venue
Day1:			
0900-0930	Registration		Foyer area
0930-0945	Welcome to Venture Center, introduction to the course and faculty	Manisha Premnath	Training room
0945-1030	Theory : Historical perspective and future trends of PCR and related techniques	Dileep Deobagkar	Training room
1030-1100	Tea and Snacks		Foyer area
1100-1300	Hands-on session: PCR	Mugdha Lele	Lab block
1300-1400	Lunch		Innovation Café
1400-1500	Technical overview of PCR and Real-time PCR	Deepti Deobagkar	Training room
1500-1600	Hands-on session: Post-PCR analysis	Mugdha Lele	Lab block
1600-1615	Tea		Foyer Area
1615-1700	Trouble shooting the PCR	Mugdha Lele	Training area
Day 2:			
0900-1030	Hands-on session: Real-time PCR	Nikhil Phadke	Lab block
1030-1100	Tea and Snacks		Innovation Café
1100-1200	Applications in Medical diagnostics: Relevance of real-time PCR in cancer diagnostics	Nikhil Phadke	Training room
1200-1300	Analysis and interpretation of real-time PCR data	Nikhil Phadke	Lab Block
1300-1400	Lunch		Innovation Café
1400-1500	Applications in agro-biotech: Expression analysis for oil production in Linseed	Vidya Gupta	Training room
1500-1530	Tea		Foyer area
1530-1600	Workshop de-briefing, feedback and Valedictory		Training room



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Speakers (in alphabetical order of last names)	
	Dileep Deobagkar is Ex- Vice Chancellor of Goa University. He is also Founder member of IISER, Ex-Director of Institute of Bioinformatics and Biotechnology and Ex-Professor and Head, Dept of Zoology, University of Pune.
	Deepti Deobagkar is Professor and Director of Bioinformatics Center. She is also Professor at Center of Advanced Studies, Dept of Zoology, University of Pune.
	Vidya Gupta has been Senior Scientist and Headed the division of Biochemical Sciences at CSIR-National Chemical Laboratory, Pune
	Mugdha Lele is currently Manager for Social Innovations at Venture Center, Pune
	Nikhil Phadke is founder director of GenePathDx, which is a state-of-the-art molecular diagnostics laboratory in Pune
	Manisha Premnath is currently General Manager at Venture Center, Pune.



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ABOUT THE ORGANIZERS	
	<p>About Venture Center 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/</p>
	<p>About Bioincubator 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/</p>
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	<p>About BIRAC 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. For more information about BIRAC: www.birac.nic.in</p>