



Seminar on  
**Planning & Funding Scientific Enterprises**  
Organized by Venture Center, Pune & NCCS, Pune

<b>POTENTIAL GAINS</b>	<ul style="list-style-type: none"><li>• Planning a scientific start-up</li><li>• Biotechnology Ignition Grant (BIG) scheme- Grant funding supporting proof-of-concept studies for life sciences based start-ups</li><li>• Get a glimpse of selected NCCS and related technology capabilities</li></ul>
<b>ORGANIZED BY</b>	<ul style="list-style-type: none"><li>• BioIncubator at Venture Center supported by BIRAC, GoI</li><li>• National Centre for Cell Sciences, Pune</li></ul>
<b>SUPPORTED BY</b>	<ul style="list-style-type: none"><li>• National Centre for Cell Sciences, Pune</li><li>• NCL Innovations, CSIR-NCL, Pune</li></ul>
<b>FOR WHOM</b>	<ul style="list-style-type: none"><li>• Budding entrepreneurs and innovators</li><li>• Scientists/ researchers</li><li>• Academics/ lecturers</li><li>• Students of science, engineering, pharmacy and biomedical sciences/engineering</li></ul>
<b>WHEN</b>	<b>Friday, 24 July 2015   Time: 1500 to 1730 hrs</b>
<b>WHERE</b>	NCCS Auditorium National Centre for Cell Sciences SP Pune University Campus Ganeshkhind, Pune.
<b>CONTACT</b>	Ms. Lipika Biswas Venture Center, Phone: +91-20-2586-5877   Email: <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a>
<b>REGISTRATION</b>	<ul style="list-style-type: none"><li>• <i>Prior registration is required. Attendance only on confirmation of registration.</i></li><li>• <b>Register online at:</b> <a href="http://vcevents.pandaform.com/pub/cytometry/new">http://vcevents.pandaform.com/pub/cytometry/new</a></li></ul> <p>Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group.</p>
<b>COST</b>	<ul style="list-style-type: none"><li>• Free. Limited seats. Prior registration is required.</li><li>• Attendance only on confirmation of registration.</li></ul>

## About the event

The seminar aims to:

- Inform and inspire scientists to explore the creation of scientific start-ups. Provide some basic background on what is needed to conceptualize and create start-ups.
- Introduce an important grant funding opportunity in the biotechnology and healthcare space, viz. the DBT-BIRAC Biotech Ignition Grant (BIG) scheme. (Deadline: 14 August 2015) The talk shall provide background information on this grant, the application process, funding process-flow, guidance on writing winning proposals etc.
- Introduce selected technology capabilities from NCCS and related organizations to budding entrepreneurs.


About DBT-BIRAC's Biotechnology Ignition Grant (BIG) scheme:

BIG is an attractive early stage funding scheme for demonstrating/ validating Proof of Concept and advancing an innovative idea to commercialization. It is one of the most attractive funding schemes in India today for entrepreneurs. *The funding is upto Rs 50 lakhs for an 18 month project.* Broad domains allowed for BIG:

- Healthcare & medical biotech: Therapeutics, Biologicals, Vaccines & preventives, Diagnostics, Biomedical devices, Tissue engineering, Oncology etc
- Agriculture, food security, secondary agriculture and allied: Agro and plant biotech, Animal biotech, Marine biotech, medicinal and aromatic plants, Seri biotech, Biocontrol/biofertilizers, Food and nutrition, etc
- Industrial product and processes
- Green technology & industrial biotechnology: Biochemical engineering, Biomass value addition to fuels/chemicals/ materials
- Others: Bio-IT interface, bioinformatics, Analytical methods and new techniques, etc as per DBT mandate

## Schedule

Time (hrs)	Session title	Speaker
1500-1515	Welcome and introductions	Shekhar Mande, Director, NCCS
1515-1600	Planning a scientific start-up	Premnath V
1600-1630	About Biotechnology Ignition Grant (BIG) <ul style="list-style-type: none"> <li>• Mentoring: BIG process flow; Purpose of BIG; Eligibility; Tips and pointers</li> <li>• Reviewing: BIG review process; BIG monitoring</li> </ul>	Pradnya Aradhya
1630-1700	5 minute pitch of selected technology capabilities.	Selected NCCS scientists and others. To be finalized.  Moderator: Manisha Premnath
1700-1730	Q & A and closure	
1730	High tea and informal networking	

Speakers (in alphabetical order)	
<p><b>Pradnya Aradhye</b></p> 	<p>Pradnya Aradhye is currently Bioincubation Manager, 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, and contribute to building scientific support systems and resources for VC incubates including specific expertise. Pradnya also carries out discussions with scientists to understand their competencies.</p>
<p><b>Shekhar Mande</b></p> 	<p>Shekhar C. Mande is a Structural and Computational Biologist. He did his M.Sc. in Physics from University of Nagpur. He holds Doctor of philosophy in Molecular Biophysics, from the Indian Institute of Science. Following his PhD, he joined Prof. Wim G. J. Hol as Post Doctoral Fellow at Rijksuniversiteit Groningen in the Netherlands. Since 2001, he was Senior Staff Scientist at Centre for DNA Fingerprinting and Diagnostics. Currently, he serves as Director at National Centre for Cell Science in Pune, India. He was awarded in 2005 the Shanti Swarup Bhatnagar Prize for Science and Technology, the highest science award in India, in the Biological sciences category.</p>
<p><b>Manisha Premnath</b></p> 	<p>Dr Manisha Premnath is the General Manager at Venture Center - a technology business incubator hosted by the CSIR-National Chemical Laboratory, Pune, India. Venture Center is officially registered as Entrepreneurship Development Center – a non-profit company and is a DST-NSTEDB and DBT-BIRAC supported incubator.</p> <p>At Venture Center, she provides leadership for and manages a team that works closely with entrepreneurs and technologists to promote and support scientific/ inventive startups. She was responsible for setting up Venture Center's scientific facilities - a unique co use facility for technology entrepreneurs. More recently, she has led a team in developing and launching the BIRAC BioIncubator at Venture Center, which not only includes facilities to house biotech startups but also advanced scientific facilities including mass spectrometry, advanced microscopy, flow cytometry etc. She is currently providing leadership to Biotechnology Industry Research Assistance Council (Government of India) supported programs at Venture Center aimed at bio-entrepreneurs.</p> <p>Dr Manisha Premnath is a Biotechnologist by training with a PhD from University of Pune/ CSIR-National Chemical Laboratory, Pune, India. During her PhD work, she was a British Council Higher Education Visiting Scholar at the University of Aberdeen, UK. She has carried out postdoctoral research at the University of Cambridge, UK. Dr Manisha Premnath was 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.</p>
<p><b>Premnath Venugopalan</b></p> 	<p>Dr Premnath is currently the Head, NCL Innovations – the group within National Chemical Laboratory (NCL) charged with the responsibility of championing the cause of technology innovation within NCL. Dr Premnath also provides leadership for the Intellectual Property Group at NCL – one of India's leading IP management groups based out of research institutions. Dr Premnath is also the Director of the Venture Center – a technology business incubator on NCL campus. Dr Premnath is also a Scientist, Polymer Science &amp; Engineering Division at NCL with an interest in technology development for biomedical products.</p> <p>Dr Premnath has helped found and be the first Director of Venture Center, CSIR-Tech (a technology commercialization company), Orthocrafts Innovations (degradable synthetic polymer based biomed products start-up) and BiolMed Innovations (silk based biomaterials start-up).</p> <p>Dr Premnath 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</p>



	<p>School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization (two successfully commercialized families of biomedical products), incubation and innovation management, working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader</p>
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### Organizers

	<p>BioIncubator at Venture Center was created with support from DBT-BIRAC under the Bioincubator Support Scheme. It has been conceptualized to help innovators in the spectrum of biomass, bioengineering, bio informatics, biomed &amp; agro based industries to ease their enterprises into the ecosystem. Along with infrastructural support in the form of biosciences labs &amp; office spaces, the BioIncubator also provides advisory services, referrals, scientific support, library and information services, Intellectual property services, seed funding &amp; access to talks, workshops &amp; technical training programs.</p> <p><b>For more information about BioIncubator at Venture Center, visit <a href="http://www.bioincubator.venturecenter.co.in">www.bioincubator.venturecenter.co.in</a></b></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 &amp; nurture technology &amp; 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 &amp; Technology’s National Science &amp; 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 &amp; engineering.</p> <p><b>For more information about Venture Center, visit <a href="http://www.venturecenter.co.in">www.venturecenter.co.in</a></b></p>
	<p>The National Centre for Cell Science, Pune (NCCS) was established as a National Repository of Animal Cell Culture with a mandate of basic research, teaching &amp; training, and as a national repository for cell lines/ hybridomas etc. It also conducts manpower development in animal tissue culture through training programmes/workshops and extends infrastructural facilities to researchers and institutions in biochemical sciences. NCCS is a premier R&amp;D institute of the Department of Biotechnology Government of India. <b>For more information about NCCS: <a href="http://www.nccs.res.in">www.nccs.res.in</a></b></p>

### Supported by

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	<p>The National Chemical Laboratory, India is a research, development and consulting organization with focus on chemistry and chemical engineering. It has a successful record of research partnership with industry. NCL Innovations is resource center of NCL that supports, promotes and champions the cause of technology innovations within NCL. For more information about NCL Innovations &amp; IP group NCL, visit <a href="http://www.nclinnovations.org/">http://www.nclinnovations.org/</a></p>