



**Half day seminar on**  
**Planning & funding scientific enterprises**  
 Organized by Venture Center, Pune & Manipal University, Manipal

<b>POTENTIAL GAINS</b>	<ul style="list-style-type: none"> <li>• Planning a scientific start-up</li> <li>• Biotechnology Ignition Grant (BIG) scheme by Department of Biotechnology - Biotechnology Industry Research and Assistance Council (DBT-BIRAC), GoI: Grant funding supporting proof-of-concept studies for life sciences based start-ups</li> <li>• Basics of Intellectual Property Rights (IPR)</li> <li>• IP strategy &amp; technology commercialization</li> </ul>
<b>ORGANIZED BY</b>	<ul style="list-style-type: none"> <li>• BioIncubator at Venture Center supported by BIRAC, GoI</li> <li>• IP Facilitation Center (IPFace), Venture Center</li> <li>• Manipal University - Technology Business Incubator (MU-TBI)</li> <li>• Dr TMA Pai endowment Chair for Medical Devices, Manipal University</li> <li>• School of Allied Health Sciences, Manipal University</li> </ul>
<b>SUPPORTED BY</b>	<ul style="list-style-type: none"> <li>• Manipal University</li> <li>• Biotechnology Industry Research and Assistance Council (BIRAC)</li> </ul>
<b>FOR WHOM</b>	<ul style="list-style-type: none"> <li>• Entrepreneurs and innovators</li> <li>• Scientists/ researchers</li> <li>• Academics/ lecturers</li> <li>• Students of science, engineering, pharmacy and Bio-medical</li> </ul> <p><i>Note: Target audience should be from Biotechnology, Pharma, Life Science, Biomed, Agriculture, Bio-Pharma etc background.</i></p>
<b>WHEN</b>	<b>Friday, 17 July 2015   0900 to 1300 hrs</b>
<b>WHERE</b>	Innovation Center, Manipal University Technology and Business Incubator
<b>CONTACT</b>	Ms Ashmitha   Phone: +91- 820- 2925052  Email: <a href="mailto:mutbi.mit@manipal.edu">mutbi.mit@manipal.edu</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>• Register online at: <a href="http://vcevents.pandaform.com/pub/yle3o7/new">http://vcevents.pandaform.com/pub/yle3o7/new</a></li> </ul> <p>First preference to professionals with specific, innovative medical product or life science product or process idea</p> <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 and Limited seats. Prior registration is required.</li> <li>• Attendance only on confirmation of registration.</li> </ul>



## About the event

The primary aim of this seminar is to create & increase awareness about an important grant funding opportunity in the biotechnology and healthcare space, viz. the DBT-BIRAC Biotech Ignition Grant (BIG) scheme. The focus of this event is to provide background information on this grant, the application process, funding process-flow, guidance on writing winning proposals etc. This event also aims to cover how to plan a scientific start up, basics of Intellectual Property Rights, IPR strategy & technology commercialization.

### **DBT-BIRAC's Biotechnology Ignition Grant (BIG) scheme**

BIG is meant for high level of discovery and innovation in the Biotechnology sector to establish and validate proof of concept and enable creation of spin-offs. BIG is a very attractive funding scheme for budding bio-entrepreneurs. It is offered as a grant to carry proof of concept and proof of concept validation activities. This scheme gives a great opportunity to innovators and entrepreneurs to begin building a start-up.

### **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
0900 - 0930	Registration & Welcome	Dr Ramesh S Ve/ Dr Venkatesan VS
0930 - 1030	Planning a scientific start-up	Dr Premnath V
1000 - 1045	About Biotechnology Ignition Grant (BIG) <ul style="list-style-type: none"> <li>○ Mentoring <ul style="list-style-type: none"> <li>▪ BIG process flow</li> <li>▪ Purpose of BIG</li> <li>▪ Eligibility</li> <li>▪ Tips and pointers</li> </ul> </li> <li>○ Reviewing <ul style="list-style-type: none"> <li>▪ BIG review process</li> <li>▪ BIG monitoring</li> </ul> </li> </ul>	Ms Uma Patil
1045 - 1100	Q & A	
1100 - 1130	Networking Tea	
1130 - 1200	Basics of Intellectual Property <ul style="list-style-type: none"> <li>○ Introduction to IPR</li> <li>○ Types of IP</li> <li>○ Importance of IP</li> </ul>	Ms Uma Patil
1200 - 1300	IP Strategy & technology commercialization	Dr Premnath V
Conclude the session		

### Speakers (in alphabetical order)



#### **Uma Patil**

Ms.Uma Patil is currently associated with Venture Center as Associate Tech Marketing. At present she is handling all the BIG review & monitoring related activities at Venture Center. Earlier to BIG project she was handling TREMAP program by TIFAC at Venture Center and as part of TREMAP she was responsible for in-depth analysis of novel technologies, tech scouting & mining, IP & techno commercial feasibility study etc. Uma has done MBA in Biotechnology from DMS-PUMBA, PG Diploma in IPR Law & Bachelors in Biotech from University of Pune.



#### **V. Premnath**

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 & Engineering Division at NCL with an interest in technology development for biomedical products.

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).

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 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



## About the Organizers



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 & agro based industries to ease their enterprises into the ecosystem. Along with infrastructural support in the form of biosciences labs & office spaces, the BioIncubator also provides advisory services, referrals, scientific support, library and information services, Intellectual property services, seed funding & access to talks, workshops & technical training programs.

**For more information about BioIncubator at Venture Center, visit [www.bioincubator.venturecenter.co.in](http://www.bioincubator.venturecenter.co.in)**



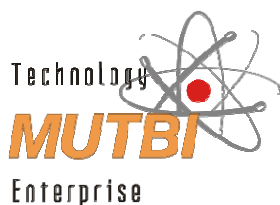
IPFACE aims to promote awareness & adoption of intellectual property rights amongst entrepreneurs & MSMEs in India while also making accessible high-quality IP services & resources. IPFACE is a project of the Venture Center supported by the Ministry of Micro, Small & Medium Enterprises, Government of India and National Chemical Laboratory, Council of Scientific and Industrial Research, India.

**For more information about IPFACE services, visit [www.ipface.org](http://www.ipface.org)**



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 & nurture technology & 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 about Venture Center, visit [www.venturecenter.co.in](http://www.venturecenter.co.in)**



Manipal University Technology Business Incubator (MUTBI) is an initiative of Manipal University for nurturing and developing innovation & entrepreneurial skills among its faculty and students, as well as people of the region. It is one of the 54 TBI's funded by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India to promote Innovation driven Start-ups in Udupi District, established in March 2010

**For more information about MUTBI, visit <http://www.mutbimanipal.org/>**



School of Allied Health Sciences, Manipal University facilitates and supports innovative & scientific research works. The institute (<http://manipal.edu/soahs-manipal.html>) hosts over 14 professional Allied Health Science Courses including Physiotherapy, optometry, Occupational therapy, speech & audiology and is the first institute to have 30 PhD amongst their faculty profile. Each department is involved in scientific research & innovative idea which has huge potential for patents & commercialization.

**For more information about School of Allied Health Sciences, Manipal University, visit <http://manipal.edu/soahs-manipal.html>**



Dr TMA Pai endowment  
Chair for Medical  
Devices

Manipal University recently created a DR TMA Pai Endowment Chair in Medical devices to help guide the development of medical devices in Manipal University and Manipal region. Professor V S Venkatesan, a biomedical engineer, currently holds the position. Currently, the focus is on developing medical devices that can be commercialised and to foster interdisciplinary thinking and research.



Supported by



MANIPAL UNIVERSITY

Research and innovation are given prime importance at Manipal University. It believes in providing the finest in infrastructure and facilities to its students when it comes to learning and research. Manipal University, as a matter of policy, encourages research by faculty members and provides incentives for research output in the form of publications and patents. MU encourages teaching faculty to compete for research funding and rewards success in the form of academic allowances and research incentives.

The cutting-edge Innovation Center at Manipal Institute of Technology is a state-of-the-art facility established in partnership with industry giants like Phillips & GE to facilitate research and innovation. Research on emerging subjects like Nanotechnology, Wireless Network, Nuclear Engineering, etc, is facilitated through inter-disciplinary labs. In fact some of the facilities like the Innovation Center - has served as a valuable 'incubation center' for industry and research. This centre bridges university and industries for the industrial academic research.

For more information about Manipal University, visit <http://manipal.edu/mu.html>



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](http://www.birac.nic.in)