



## One-day Workshop on Careers for Scientists and Engineers: Insights and Personal Experiences

Learn	<ul style="list-style-type: none"><li>• Career tracks for young people trained in science or engineering</li><li>• Insights from professionals in industry, startups, professional firms and academia</li><li>• Focus shall be on careers in industrial research, entrepreneurship, technology commercialization and academic research.</li></ul>
Organized by	Career Development Center, IISER, Pune Venture Center - a Technology Business Incubator
For whom	<ul style="list-style-type: none"><li>• Students of science and engineering</li><li>• Young professionals exploring career options</li></ul>
When	Saturday, 22 March 2014
Where	Room 101 (Lecture Hall Complex) IISER, Pune (Campus adjacent to NCL on Pashan Road)
Contact	Aashay Patil Phone: 9970236426 Email: cdc@iiserpune.ac.in
Cost	Free with prior registration. Limited seats : 160  REGISTER HERE: <a href="http://vcevents.pandaform.com/pub/m8qggj/new">http://vcevents.pandaform.com/pub/m8qggj/new</a>  Please register so that we can make appropriate arrangements for seating and tea.



Time Schedule			
Date	Time	Topic	Speakers/ Panelists (yet to be confirmed)
Saturday, 22 March 2014	0930 – 0945	Registrations Tea/ Coffee	
	0945-1000	Opening of the workshop <ul style="list-style-type: none"> <li>• Introduction to the workshop and speakers</li> <li>• Introductory remarks</li> </ul>	Aashay Patil Prof LS Shashidhara
	1000–1130 (90 min)	Session 1: Panel discussion on industrial research careers <ul style="list-style-type: none"> <li>• Opening remarks by panel</li> <li>• Comments on questions by moderators</li> <li>• Q&amp;A session</li> </ul>	Panelists: <ul style="list-style-type: none"> <li>• Researchers with industry backgrounds (TBD)</li> </ul> Moderator: Aashay Patil
	1130-1145	Tea break	
	1145-1300 (75 min)	Session 2: Panel discussion on careers in entrepreneurship <ul style="list-style-type: none"> <li>• Opening remarks by panel</li> <li>• Comments on questions by moderators</li> <li>• Q&amp;A session</li> </ul>	Panelists: <ul style="list-style-type: none"> <li>• Science entrepreneurs (TBD)</li> </ul> Moderator: Suraj Chawla
	1300-1400	Lunch	
	1400-1530 (90 min)	Session 3: Panel discussion on careers in IP, tech commercialization, innovation management, consulting <ul style="list-style-type: none"> <li>• Opening remarks by panel</li> <li>• Comments on questions by moderators</li> <li>• Q&amp;A session</li> </ul>	Panelists: <ul style="list-style-type: none"> <li>• Practicing innovation managers and consultants (TBD)</li> </ul> Moderator: Sourajit Basu
	1530-1545	Tea break	
	1545-1700 (75 min)	Session 4: Panel discussion on planning academic research careers <ul style="list-style-type: none"> <li>• Opening remarks by panel</li> <li>• Comments on questions by moderators</li> <li>• Q&amp;A session</li> </ul>	Panelists: <ul style="list-style-type: none"> <li>• Researchers in academic research and those who are involved in hiring decisions (TBD)</li> </ul> Moderator: Krishna Anujan
	1700-1715	Closure	

## Panelist Profiles

### Session 1

**Dr. S. Sivaram**



Ex-Director of NCL and Founder Chairman of Venture Center.

Masters Degree in Chemistry from IIT Kanpur ; PhD (Organic Chemistry) from Purdue University, USA Experience in research on polymer synthesis, high performance polymers and surface chemistry of polymers.

**Dr. Rajendra Lagu**



Intel Innovations Manager at Intel Technology India Pvt. Ltd.

Most recently he has headed the Applications team in Computational Research Laboratories (a Tata group company) at Pune. Prior to joining the group in May 2006 he was the Project Director and member of the Governing Board of Society for Innovation & Entrepreneurship (SINE) -- the technology business incubator at IIT Bombay. At IIT Bombay, Dr Lagu championed the cause of technology entrepreneurship and made important contributions to the inception and successful operationalization of SINE, thus demonstrating the latent potential for business creation from scientific / academic institutions in India. He has a Ph.D from University of Florida, USA and a total experience of 22 years in organizations like IIT Bombay, Mastek Limited, K & P Infotech.

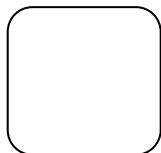
**Dr. Chetan Gadgil**



Chemical Engineering and Process Development, NCL

He worked in the Mathematics Department at the University of Minnesota as a postdoctoral researcher, and in the Scientific Computing and Mathematical Modeling group at GlaxoSmithKline as an Investigator.

**Dr. Venkataramana Runkana**



Principal Scientist at Tata Consultancy Services Ltd.

**Ms. Ruby R.P.**



Research Engineer at Oneirix Labs



A Chemical Engineer from IIT Kanpur (Masters) and PhD from Columbia University (Professor P. Somasundaran was his thesis supervisor). Venkat has been with TRDDC for more than two decades and has led several successful industrial projects for our important clients both in India and abroad. In addition he is currently leading our research programs in two important areas, namely controlled drug delivery and predictive/prescriptive analytics for the process/manufacturing industries.

Ruby has an MSc in Mathematics from IIT Madras and an MA in Economics from University of Pune. She is a Research Engineer at Oneirix Labs. Oneirix Labs is an independently held industrial R&D organization that specializes in applied and computational physics and mathematics. She has been working in the industry for 6 years. Her research interests include computational mathematics, topology, web applications and educational research. She also teaches applied mathematics subjects to MSc Mathematics (S. P. college) and MA Finance (Gokhale Institute of Politics and Economics) students. She has recently implemented her own mathematical modeling syllabus at S. P. college. She also implements different academic and non-academic projects with students residing at Patil Estate, Shivajinagar. This work is part of an organization called Pankhudi, which is run by Ruby and her friends, voluntarily

**Moderator : Aashay Patil**, fascinated by Physics and its applications in real-world systems and wish to apply my knowledge to solve challenging real-world problems. Takes initiative, lead teams and interact with people. Apart from that, has a multitude of other interests which include Travelling, Trekking, Adventure sports, Politics, Sudoku and puzzles, Quizzing, Driving and Food.

**Session 2**

**Dr. Chaitanya Saxena**



CEO, Shantani Proteome Analytics

**Mr. Amitabh Shrivastava**



Member IAN, & CEO



**Mr. Ashish Gawade**



Social Entrepreneur/CEO,



<p>Pvt. Ltd.</p> <p>With 10+ years of experience in utilizing biophysical techniques to solve the relevant problems in life sciences, Chaitanya is a seasoned professional and bring successful experience of developing technologies for drug-target deconvolution and drug-target interaction measurements in intact biological systems from his tenure at Eli Lilly &amp; Company.</p>	<p>at CSIR Tech</p> <p>Amitabh is the CEO of CSIR-Tech, where he is spearheading the commercialization / capitalization of the Intellectual Property held with India's premier scientific and industrial research laboratories. Amitabh is a widely recognized serial entrepreneur, who, besides being an entrepreneur and an Angel Investor, has also held senior leadership positions with large technology companies.</p>	<p>Co-Founder BOPEEI</p> <p>Ashish is widely respected as a prolific inventor and frugal innovator. He brings wealth of experience spread across new concept generation, Technology commercialization, Strategy, Planning, Product Development, Vehicle Engineering, Manufacturing, Quality and Process Management, Vendor Development. He can take an idea to commercial launch as evidenced by the launch of Chakra Human powered generator and Prakhar Solar Lamps, the world's longest lasting lamps.</p>
---	--	---

<p style="text-align: center;"><b>Dr. Vishwas Joshi</b></p>  <p style="text-align: center;">MD at Seagull BioSolutions</p> <p>Vishwas has a Ph.D in Molecular virology and Industrial Microbiology (M.Sc), has used molecular biology techniques extensively and has worked for nearly 15 yrs in the areas of Fermentation technology, Drug discovery and Protein therapeutics at leading Indian pharmaceutical companies including Ranbaxy Research Laboratories Ltd, Dr. Reddys Laboratories Ltd &amp; Glenmark Pharmaceuticals Ltd.</p>	<p style="text-align: center;"><b>Mr. Tanuj Gigras</b></p>  <p style="text-align: center;">Founder of Nayam Innovations</p> <p>He holds a bachelors and masters degree in applied physics and nanotechnology from IIT Bombay. He has hands on research experience in carbon nanotubes, organic solar cells, nanoclusters, bionanotechnology and novel medical diagnostic methods.</p>
---	---

**Moderator: Suraj Chawla**, Vth year student, IISER Pune. Interests: Astrophysics, Evolutionary Biology.

**Session 3**

<p style="text-align: center;"><b>Mr. Kaushik Gala</b></p>  <p>Chief Business Officer at CSIR-Tech Pvt Ltd</p> <p>Kaushik Gala has 14+ years of technology and business experience, including professional</p>	<p style="text-align: center;"><b>Mrs. Srividya Ravi</b></p>  <p>Patent Associate at Gnanlex Hermeneutics Pvt.Ltd</p> <p>Currently working as Patent Associate with Gnanlex Hermeneutics Pvt.Ltd and In-</p>	<p style="text-align: center;"><b>Dr. V. Premnath</b></p>  <p>Founding Director - Venture Center and Head, NCL Innovations</p> <p>He holds a B.Tech. from the Indian Institute of Technology - Bombay and a Ph.D. from the</p>
---	---	---



stints at Motorola, Freescale Semiconductor, IPVALUE, and most recently Venture Center, where he evaluated, assisted and funded technology startups in the Pune region. His expertise ranges from technology R&D and patent/IP licensing to business analysis, seed investing and cross-border B2B business development.

charge, Pune Office. I am responsible for handling the contractual services rendered in the field of IPR to NCL, IISER, Pune and other institutions. I am also Faculty for GNA Patent Gurukul, Pune and for IPR and related courses conducted by Venture Centre and IPFACE. Before entering the field of IPR about six years back, I was serving in the pharmaceutical industry for over 12 years and have handled function such as QC, QA, Projects, Audits and so on. I am a Masters in Pharmaceutical Sciences, PG Diploma in Patents Law and a Patent Agent

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.

**Adv. Hasit Seth**



LL.M (Commercial Law, LL.M in IP, Member of the New York Bar.

12+ years of experience in the legal field covering the whole value-chain of patents from invention (at EATON), drafting and litigation (US law firms Harness Dickey, F.Chau), licensing (at IPVALUE). Previously, he was a practicing counsel at the BOMBAY HIGH COURT.

**Dr. Magesh Nandagopal**



Scientist, NCL Innovations

Magesh works as a scientist and technology manager in NCL Innovations – a division of CSIR’s National Chemical Laboratory, Pune. He manages the large pool of technologies resulting from this lab, works with partners in taking technologies to the market, and is involved in creating technology based startups. He has worked towards creating the ecosystem needed to support taking innovations to the market in the Pune region. He is interested in exploring and establishing new models to partner with industry and research organizations to take research to the market. He is also a startup mentor and has advised

**Dr. Nitin Tewari**



Scientist, IP Group, NCL Innovations

Patent drafting & prosecution, IP portfolio planning, management and value addition  
Scientist, IP Group / NCL Innovations  
PhD (Biomed Research), WoS-C fellow of DST, Patent Agent



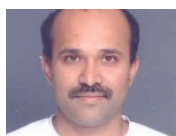


innovators and entrepreneurs in funding, startup creation, business planning and other issues. Magesh has a PhD (in Polymer Science) and an MBA (in Finance) - both from the University of Connecticut, USA.

**Moderator: Sourajit Basu**, a mathematics major with an inclination towards applied mathematics. My interest is in soliciting my knowledge of applied mathematics towards solving problems in the industry. Outside academics, I am an avid reader and a movie buff.

**Session 4**

**Dr. Guruswamy Kumaraswamy**



Scientist, Polymer Engineering and Sciences Division, NCL

Dr. Guruswamy received his B. Tech. from IITB, Mumbai in 1994; his M.S. (1996) and Ph.D. (2000) from the California Institute of Technology, USA (all degrees in Chemical Engineering). He spent a year as a VW Postdoctoral fellow at the Max Planck Institute for Colloids and Interfaces, Germany before joining NCL in 2001. In addition to his science, Dr. Guruswamy is passionate about science outreach to school students

**Prof. LS Shashidhara**



Professor at IISER

Prof. L. S. Shashidhara obtained his B.Sc. and M.Sc. (Genetics and Plant Breeding) in 1987 from the University of Agricultural Sciences (Dharwad). He received his Ph.D. in 1991 from the University of Cambridge (United Kingdom). He joined Centre for Cellular and Molecular Biology (CCMB, Hyderabad) in 1995. And since August 2007, he is faculty at Indian Institute of Science Education and Research (IISER, Pune) as Professor and Coordinator of Biology.

**Dr. Ashish Lele**



Scientist at National Chemical Laboratory

Dr AK Lele is Scientist, Complex Fluids and Polymer Engineering Group at NCL, Pune. He is also the Head of SPIRIT. Dr AK Lele is an accomplished Chemical Engineer with a strong research program in Polymeric Materials.



**Dr. Vivek V. Ranade**



Scientist at NCL, Chemical Engineering and Process Development Division

Currently lead Chemical Engineering and Process Development research at National Chemical Laboratory. My responsibilities include: identifying important research problems, formulating project proposals, leading and executing projects to achieve the set objectives, identifying needs of industry and providing appropriate solutions, creating facilities for experimental and computational research on key areas of chemical and process engineering, supervising research students and project assistants. The focus was on creating synergy among scientists working on chemistry, catalysis and process and reactor engineering to create greater value and greater impact on industry. Earlier I was leading a dynamic team of more than 25 professionals at Tridiagonal Solutions to develop computational models and software products for providing engineering solutions.

**Moderator:**

**Krishna Anujan**, an idealist who is thrilled about a career in science, despite seriously considering a set of disconnected, weird alternate job options; passionate about Life Sciences in general and Ecology in particular. Loves the great outdoors, especially the smell of a rainforest. Besides being madly in love with Biology, spends the rest of my time reading literature, learning classical dance and dabbling in writing.