

Plenary/Invited Lectures at International Conferences

Scheduled

1. Plenary Lecture: The 14th Gif Symposium, Gif sur Yvette, Paris, France, Jun 18th -19th 2015.
2. Invited Lecture: Nucleic Acids Gordon Research Conference, Maine, USA, May 31st – June 5th 2015
3. Invited Lecture: “Two days of Proteostasis in Konstanz”, Konstanz, Germany 8th-9th Oct 2014.
4. Invited Lecture: “Membrane Dynamics in Endocytosis” EMBO meeting, Côte d'Azur, France, Sept 27th –Oct 2nd 2014.
5. Invited Lecture: ISACS 15: Challenges in Nanoscience, UC San Diego, USA, Aug 17th – 19th 2014.
6. Invited Lecture: The Protein Society, 28th Annual Symposium, UC San Diego, USA, Jul 27th -30th 2014.
7. Invited Lecture: FASEB Summer Research Conference, Dynamic DNA structures, Itasca, Illinois, USA, July 20-25th 2014.
8. Invited Lecture: DNATEC-14, Max Planck Institute for Physics of Complex Systems, Dresden, Germany, May 5-9th 2014.
9. Invited Speaker: Visions in Cell Biology, Max Planck Institute for Molecular Cell Biology and Genetics, Dresden, Germany Apr 3rd -4th 2014.

Completed

10. Invited Speaker: Future Research Initiatives at the MPI, Max Planck Institute, Biochemistry, Martinsreid, Munich, Germany, March 10th -12th 2014.
11. Invited Lecture: Indo-German meeting on Selective Regulation, Kloster Banz, Germany, Dec 8th – 11th 2013.
12. Invited Lecture: Indian National Science Academy and Leopoldina Academy of Sciences, Germany, Indo –German Symposium, Halle, Nov 24th -27th 2013.
13. CIPSM, Scientific Oktoberfest, LMU, Munich, 18-19th September 2013.
14. External speaker, NMR and protein dynamics in Structural Biology, Jun 10-13 2013, Budapest, Hungary
15. Main Speaker: RSC Roadshow in India, 7th February 2013, Bangalore, India.
16. The 2012 Oration, Annual Meeting of Academia Ophthalmologica Internationalis, Jan 16th 2013, Hyderabad, India.
17. Award Lecture: Young Investigator Meeting 2012, Boston, USA, Oct 6-8th, 2012.
18. Keynote Speaker, FNANO-2012, 9th Annual Conference Foundations of Nanoscience, Snowbird, Utah, April 15-19, 2012.
19. Miami 2012 Winter Symposium, Nanotechnology in Biomedicine, Feb 26-29, 2012. Jointly organized by Nature Nanotechnology, Nature Medicine and Nature Biotechnology.
20. Plenary speaker at DNA-17, Caltech, Pasadena, USA, Sept 21-24 2011.
21. Plenary speaker at the Chemistry and Biology of Nucleic Acids Conference, Cambridge UK, Sept 3rd – 7th, 2011.
22. Plenary Lecture, European Symposium on Bioorganic Chemistry, Gregynog, Wales, 14-16 May 2011.
23. Invited Speaker, 46th EUCHEM Conference on Stereochemistry (The Bürgenstock Conference), 2-7 May 2011, Brünnen, Switzerland.
24. Invited speaker: Zing Nucleic acids Conference Cancun, Mexico, Nov 2010.
25. Invited speaker: Nucleic Acids Conference NACON-VIII, Sheffield, Sept 12-16 2010.
26. Invited Speaker: Indo-French Seminar on Soft Interfaces, Paris, July 7-10, 2010
27. Invited Speaker: Biophysical Society Meeting, San Francisco, California Feb 20-24, 2010.
28. Invited Speaker: Wires, reporters and Information Capsules: Cellular Journalism with DNA. ICMAT 2009, Singapore, Jun 28- Jul 3rd 2009.
29. Invited Speaker: *ibid* The 16th Conversation, Albany, New York in June 2009.

30. Invited Speaker: *ibid* 2nd International Symposium on Nanomedicine (ISNM 2009), Okazaki, Japan, Feb 4-7 2009.
31. Invited Speaker: *ibid* Asian Academic Seminar 2008, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, Dec 25th – 30th 2008.
32. Invited Speaker: First Blueprint, now Bricks: DNA is construction material on the Nanoscale. 4th Indo-Israel Conference in Condensed Matter Physics, Tsfat, Israel, Nov 3rd – 6th 2008.
33. *ibid* Plenary Lecture Nano 2008, Rio De Janeiro, Jun 6th, 2008, Brazil.
34. Invited Speaker: *ibid* ICONSAT 2008, Chennai, India Feb 26th – 29th, India.
35. Invited Speaker: First Blueprint, now Bricks: DNA is construction material on the Nanoscale: Bangalore-Nano, Bangalore, Dec 7th 2007.
36. Invited Speaker: Alternative approaches to structural DNA nanotechnology: 1st International Symposium of NanoMedicine-from Basic to Applications, Okazaki, Japan, Apr 20th, 2007.

Contributed Talks at International Conferences:

1. New Design Paradigms: Tetraplex building blocks for structural DNA nanotechnology: The 15th Conversation, Albany, USA, Jun 23rd, **2007**.
2. Tetraplex building blocks and alternative approaches to structural DNA nanotechnology: NACON VII, Sheffield, UK, 2nd April **2007**.
3. Wires, Reporters and Information Capsules: Cellular Journalism with DNA. Zing Conference on Nucleic Acids, Cancun, Mexico, Feb 22-25th, **2009**
4. PrimiR 17-92 folds into a tertiary structure and autoregulates its processing. International Conference on Riboregulation. Shanghai, China, Sept 10th – 12th, **2012**. (RNA Society Fellowship awarded)
5. SimpHony: Simultaneous pH mapping technology enabled by programmable DNA nanomachines Zing Conference on Nucleic Acids, Cancun, Mexico, Nov 14-18, **2012**.

Special Lectures/Invited Departmental Talks only at International Universities:

1. *Molecular DNA devices in Living Systems*; Dept of Chemistry, **University of Chicago**, Chicago, 31st Oct 2013.
2. *ibid*. Dept of Chemistry & Biochemistry, **University of Maryland**, Baltimore, 23rd Sept 2013.
2. *ibid*. **University of Goettingen**, Goettingen, 9th May 2013
3. *ibid*. Dept of Biological Sciences, **Columbia University**, New York, 10th April 2013.
4. *ibid*; Dept of Chemistry, **New York University**, New York, 9th April 2013.
5. *ibid*, **Institut Curie**, Paris, 3rd April 2013.
6. *ibid* Dept of Biological Engineering, **Massachusetts Institute of Technology**, Boston, 5th October 2012.
7. *ibid*: **University of Frankfurt**, Frankfurt, Germany 23rd Apr 2012.
8. *ibid*; **ETH Zurich**, Switzerland 8th June 2012.
9. *ibid*: Dept of Biological Sciences, **National University of Singapore**, August 2011.
10. *ibid*: **Institut Curie**, Paris, France, May 2011.
11. *ibid*; **MRC Laboratory of Molecular Biology**, University of Cambridge, UK, May 2011.
12. *ibid*: RCE Mechanobiology, **National University of Singapore**, Singapore, Feb 2011
13. *ibid*: Dept of Chemistry, **Carnegie Mellon University**, Pittsburgh, USA, November, 2010
14. *ibid*: **LMU, Munich**, Germany, September 2010.
15. *ibid*: Dept of Physics, **University of Cambridge**, Sept 2010.
16. *Wires, Reporters and Information Capsules: Cellular Journalism with DNA*. Dept of Chemistry, **University of Cambridge**, Feb 2009.
17. *ibid*: **Rockefeller University**, June 2009.
18. *ibid*: Dept of Chemistry, **Weizmann Institute of Science**, Rehovot, Israel, November 2008.
19. *ibid*: The Bidesign Institute, **Arizona State University**, June 2007.
20. *ibid*: Dept of Biochemistry, **University of Cambridge**, UK, September 2007.

Invited Talks (Select Meetings in India and Special Lectures only)

1. Plenary Lecture: All India Cell Biology Conference, Dec 22nd -24th 2013, Bangalore.
2. Invited Speaker: NanoIndia, Feb 19th -20th 2013, Trivandrum.
3. Main Speaker: International Symposium on Challenges in Chemical Biology, Jan 27th -29th, 2013, Kolkata.
4. Plenary Lecture: Karnataka Science and Technology Academy, Annual Meeting, Dec 20th 2012.
5. Invited Talk: Guha Research Conference, Shillong, 28th Nov – 2nd Dec, 2012.
6. Main Speaker: Complex Chemical Systems. Indo German Conference, IISER Bhopal Dec 3rd -6th 2012.
7. Molecular DNA devices in Living Systems. Guha Research Conference, Shillong, Nov 28th -Dec 2nd, 2012
8. *ibid*. ASET Colloquium, Tata Institute of Fundamental Research, Bombay, May 4, 2012.
9. *ibid*. Recent Trends In Biology, University of Pune, Feb 3-4, 2012.
10. Colloquium, BSBE Dept, Indian Institute of Technology, Kanpur, Feb 1, 2012.
11. Pfizer Symposium, Organic Chemistry Department, Indian Institute of Science, Jan 16, 2012
12. Young Investigator Meeting 2012, Lonavala, Jan 8-12, 2012.
13. Indo-European Symposium on Frontiers of Chemistry, NISER, Bhubaneswar, Nov 10-12, 2011.
14. R. A. Mashelkar Endowment Lecture, National Chemical Laboratories, Pune, 16 Jun 2011.
15. 79th Society of Biological Chemists (India) meeting. IISc, Bangalore, 13-15 Dec 2010.
16. First Blueprint, now Bricks - DNA as construction material on the Nanoscale. TIFR Hyderabad Foundation Stone Ceremony, Hyderabad, Oct 19th 2010.
17. *ibid*. Public Lecture at St. Joseph's College, 24th Sept 2010.
18. DNA as construction material on the Nanoscale: Workshop on Nanotechnology at National Institute of Advanced Studies (NIAS), Bangalore, India, Dec 17th 2009.
19. *ibid* I2CAM School on Emergence in Genomic Matter, JNCASR, 8th -15th Feb 2009.
20. Wires, Reporters and Information Capsules: Cellular Journalism with DNA. Colloquium, Tata Institute of Fundamental Research, Mumbai, Oct 15th, 2008.
21. Invited Speaker: *ibid* Wellcome Trust-DBT India Alliance Launch Meeting. Sept 10th 2008, New Delhi, India.
22. DNA as construction material on the Nanoscale: Workshop on Nanotechnology, M. S. Ramiah Institute of Technology, Bangalore, Oct 6th 2007.
23. *ibid*: Workshop on Nanotechnology at National Institute of Advanced Studies (NIAS), Bangalore, India. Sept 11th 2007.
24. First Blueprint, now Bricks – DNA's new avatar. Bishop Cotton Women's Christian College, Bangalore 17th April, 2007.
25. First Blueprint, now Bricks – DNA is construction material on the nanoscale: St. Joseph's College, Bangalore, 9th Dec, 2006.
26. *ibid* Nucleation, Aggregation and Growth. Bangalore, Jan '07.
27. *ibid*. Indian Academy of Sciences, Mid Year Meeting, Bangalore, July 14th 2006
28. Structural DNA Nanotechnology – DNA as construction material on the nanoscale: Dr Ambedkar Institute of Technology, Nanomaterials: an Emerging area of Nanotechnology, Bangalore, Apr '06.
29. Unusual nucleic acid structures through the eyes of human telomerase RNA: Bioblooms '06, MS Ramaiah Institute of Technology, Bangalore, Mar '06.
30. Creating Novel Functional nanostructures using Four-stranded DNA. Workshop on Healthcare and Nanotechnology, SASTRA, Thanjavur, May '05.
31. First Blueprint, now Bricks – DNA reinvented: Dept of Biological Sciences, TIFR, Open Day, Mumbai, Aug '05.
32. *ibid*: Monsoon Meeting, SCRAC, ACTREC, Mumbai, Aug '05.

Students and Postdoctoral Fellows Mentored

Souvik Modi, PhD

Ramveer Choudhary, M.S.

Dr Justin Yeoman (PhD from Univ of Cambridge), Leverhulme Study abroad Fellowship

Dhiraj Bhatia, PhD

Students and Postdoctoral Fellows under Mentorship

Saikat Chakraborty 5th Year (writing thesis)

Shabana Mehtab 5th Year (final year)

Suruchi Sharma 5th Year (writing thesis)

Sonali Saha 5th Year (writing thesis)

Sunaina Surana 4th Year

Saheli Halder 4th Year

Shareefa Thekkan 2nd Year

Ved Prakash 1st Year

Maulik Jani PhD Rotatee

Kasturi Chakraborty, Intern

Anand Saminathan, Intern

Dr Aneesh Tazheveetil, PhD (Univ of Masaryk, Czech Republic).