

Twenty - Fourth Mid-Year Meeting

5 - 6 July 2013

Venue: Faculty Hall, Indian Institute of Science, Bangalore

PROGRAMME

5 July 2013 - Friday

0930 - 1010 Session 1A - Special Lecture

S Sivaram, NCL, Pune

Sustainable materials based on aliphatic polyesters: Teaching

Old chemistry some new tricks

1010 - 1300 Session 1B - Lectures by Fellows/Associates

1010 - H N Ghosh, BARC, Mumbai

Harvesting solar energy through dye-sensitized and quantum dot solar cell.

1030 - Amol Dighe, TIFR, Mumbai

Particle astrophysics of neutrinos

1050 - 1120 Tea break

1120 - A C Mishra, NIV, Pune

Influenza viruses and public health in the first decade of twenty-first century

1140 - Debasis Chattopadhyay, NIPGR, New Delhi

Diverse role of calcineurin B-like-interacting protein kinases in plants

1200 - B Sundar Rajan, IISc, Bangalore

Wireless communication with multiple antennas

1220 - V K Sharma, JNCASR, Bangalore

Understanding entrainment of fruit fly *Drosophila melanogaster* circadian clocks under natural conditions

1240 - Uday Bandyopadhyay, IICB, Kolkata

Designing of a novel tryptamine-gallic acid hybrid to prevent nonsteroidal anti-inflammatory drug-induced gastric ulcer/gastropathy

1300 - 1430 Lunch break

1430 – 1720 Session 1C - Lectures by Fellows/Associates

1430 - Bhaskar Saha, NCCS, Pune

CD40 and anti-leishmanial immunity

1450 - S Baskaran, IIT, Chennai

Domino reaction based approach for the synthesis of novel molecules

1510 - T K Nayak, VECC, Kolkata

Exploring quantum chromodynamics phase transitions at the relativistic heavy ion collider and the large hadron collider.

1530 - 1600 Tea break

1600 - Soumya Swaminathan, NIRT, Chennai

Tuberculosis and HIV: A decade of research

1620 - K Ramamritham, IIT, Mumbai

Smart electric grids — The vision, the opportunities, the challenges

1640 - Amiya Kumar Pani, IIT, Mumbai

Scientific computing: A new way of looking at mathematics

1700 - Naseema S Beegum, NPL, New Delhi

Space-time variability of aerosols over Indian region: Implications in radiative forcing

1800 - 1900 Session 1D - Public Lecture

T Jacob John, Vellore

India's success story: Polio eradication

6 JULY 2013 - Saturday

0900 - 0940 Session 2A - Special Lecture

Deepak Pental, University of Delhi South Campus, New Delhi

Breeding of oilseed mustard: Tales from some marathon runners

0940 - 1230 Session 2B - Lectures by Fellows/Associates

0940 - S K Pati, JNCASR, Bangalore

Structure and electronic properties of DNA and modified-DNA systems

1000 - S Shankaranarayanan, IISER, Thiruvananthapuram

Higher derivative theories and quantum phase transition

1020 - 1050 Tea break

1050 - K N Raghavan, IMSc, Chennai

Invariant theory and standard monomial theory

1110 - B J Rao, TIFR, Mumbai

Spatial movements of chromosomes that facilitate their repairs

1130 - Prahladh Harsha, TIFR, Mumbai

Communication complexity: A treasure house of lower bounds

1150 - N V Chalapathi Rao, BHU, Varanasi

Kimberlites: Keys for understanding the geodynamic evolution of ancient cratons

1210 - M Durga Prasad, University of Hyderabad, Hyderabad

An electronic structure perspective of the promoter modes in proton transfer reactions
