

NANOBIOTECK – 2016
1st Annual Conference & Workshop of Indian Society of Nanomedicine
24th – 26th November, 2016
All India Institute of Medical Sciences, New Delhi

24th November 2016

08:30 AM - 09:30 AM – Registration

09:30 AM - 11:00 AM - Session I: Nano-bioelectronics

- **9:30 – 10:00 AM: Photo-responsive nanomaterials and Nanobiosensors: An Overview** - Prof K. George Thomas, IISER - Trivandrum (Keynote Speaker)
- **10:00 AM – 10:15 AM: Nano-enabled systems and devices: Potential and prospects** - Prof. Ashok K. Ganguli, INST - Mohali
- **10:15 AM - 11:00 AM: Discussion and Interaction with Panelists**
 - 10 Discussants (3 minutes each) + 15 minutes for audience.

11:00 AM – 11:30 AM – Trigger Talk - Journey from Foundational Research in Nanotechnology to Innovation led Entrepreneurship - Prof T. Pardeep, IIT - Madras

11:30 AM – 11:45 AM - Tea Break

11:45 AM – 01:15 PM - Session II: Nanotechnology in Imaging and Diagnostics

- **11:45 AM – 12:15 PM: Nanotechnology in Imaging and Diagnostics:** – Dr. Anil Mishra, INMAS - Delhi (Keynote Speaker)
- **12:15 PM - 12:30 PM: Nano-Theranostics: Innovation space and Enterprise** - Dr. Manzoor K, AIMS - Kochi
- **12:30 PM - 12:45 PM: Nanodiagnostics & Indian Biotech Industry** - Dr. Ravi Kumar, Chief, XCyton - Bengaluru
- **12:45 PM - 01:15 PM: Discussion and Interaction with Panelist**
 - 10 Discussants (2 minutes each) + 10 minutes for audience.

01:15 PM – 02:00 PM – Lunch

02:00 PM – 02:15 PM – A perspective from DST – Nanomission, Govt. of India, Department of Science and Technology – Dr. Rajiv Sharma

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02:15 PM – 04:30 PM - Session III: Nano-enabled system for drug and bio-molecule delivery

- **02.15 PM – 02:45 PM: Nano delivery system for tissue specific targeting - Dr Amit Dinda, AIIMS - Delhi (Keynote Speaker)**
- **02:45 PM - 03:00 PM: Nanovehicle for targeting brain - Dr. Tapas Kundu, IISc - Bengaluru**
- **03:00 PM – 03:20 PM: Nanobiotechnology - A technology with immense potential but has it delivered? - Dr. T. Rajkumar, Adyar - Chennai**
- **03:20 PM – 03:40 PM: Scope of Nanomedicine in Cancer Therapy - Dr. Shanti Nair, AIMS - Kochi**
- **03:40 PM – 04:25 PM - Discussion and Interaction with the panelist**
 - 10 Discussants (3 minutes each) + 15 minutes for audience.

04:25 PM – 04:45 PM: Trigger talk - Nanoenabled Product Innovations - An Institutional Perspectives - Prof. Ramgopal Rao, IIT - Delhi

04:45 PM - 05:00 PM - Tea Break

05:00 PM - 06:15 PM – Inauguration

- **Welcome Address - Prof. M. C. Mishra, Director, AIIMS**
- **Theme of the Conference - Prof. Y. K.Gupta, President, ISNM**
- **Address by Prof. VijayRaghavan, Secretary, DBT****
- **Address by Prof. Ashutosh Sharma, Secretary, DST****
- **Address by Dr. G.N.Singh, DCGI**
- **Vote of Thanks - Prof. A. K. Dinda, Secretary, ISNM**

06:30 PM - 10:00 PM – Interactive and Networking Dinner

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25th November 2016

09:00 AM - 11:00 AM - Session IV: Regulatory Issues for nano-safety evaluation, Nano-specific Toxicity evaluation & Alternative test strategy

- **9:00 AM - 9:30 AM - Nanosafety evaluation paradigm & strategies - Prof. Y K Gupta, AIIMS - Delhi (Keynote Speaker)**
- **9:30 AM – 10:00 AM: Regulatory framework and standards for Nanomaterials – a global and Indian perspective – Prof. A. K. Dinda, AIIMS - Delhi**
- **10:00 AM – 10:15 AM: Environmental toxicity of nanomaterials – Dr. D. K. Chowdhuri, IITR - Lucknow**
- **10:15 AM - 11:00 AM: Discussion and Interaction with Panelists**
 - **10 Discussants (3 minutes each) + 15 minutes for audience.**

11:00 AM – 11:15 AM: Tea Break

11:15 AM – 11:30 AM: Trigger talk - Transforming Nanoscience to Nanotechnology - Prof. Arun Chattopadhyay, IIT – Gauhati

11:30 AM - 01:15 PM - Session V: Smart Nanosystems for Tissue Engineering & Cosmoceutics

- **11:30 AM – 11:45 AM: Metal Oxide Nanoparticles – Market and scope for diverse business potential – Prof. Panchanan Pramanik, IIT - Kharagpur**
- **11:45 AM – 12:00 PM: Application of nanotechnology in bone & tissue engineering – Dr. Prabha Nair, SCTIMST, Trivandrum**
- **12:00 PM – 12:15 PM: Silk Fibroin Nanosystems – Translational Potential - Dr. Biman Mondal, IIT – Guwhati**
- **12:15 PM – 12:30 PM: Advances in nano-enabled cosmoceutics – an Industrial perspective – Dr. Amitava Pramanik, Hindustan Unilever - Bangalore**
- **12:30 PM – 01:15 PM: Discussion and Interaction with Panelists**
 - **10 Discussants (3 minutes each) + 15 minutes for audience**

01:15 PM - 02:15 PM – Lunch

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02:15 PM - 02:45 PM: Advancing Research & Fostering innovation in Nannaobiotechnology– an opportunity to partner with DBT - Dr Dhananjay Tiwary

02:45 PM – 07:00 PM: Session VI - Breakout Session - Conveyor – Dr. Dhananjay Tiwary and Dr. A. K. Dinda

- **Formulating vision and future strategies for India on thematic areas**
- **Recommendation of the Breakout Session**

07:00 PM – 10:00 PM: Dinner

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09:00 AM – 10:40 AM – Session VII – A2B (Academics-2-Business)

- 09:00 AM – 09:30 AM: Representative from Niti Aayog (Keynote Speaker)
- 09:30 AM – 09:45 AM: Address by Dr. Bindu Dey – Secretary, TDB, DST
- 09:45 AM – 10:00 AM: Address by Dr. Mittal, DST
- 10:00 AM – 10:15 AM: Address by Dr. Renu Swaroop, MD, BIRAC
- 10:15 AM – 10:40 AM: Address by Dr. Anil Gupta, IIM – A

10:40 AM – 11:00 AM – Tea Break

**11:00 AM – 01:15 PM - Session VIII - Technology Showcasing/Snapshot
(Only patented technologies to be showcased)**

- **Panelists:**
 - Dr. Bindu Dey – Secretary, TDB, DST
 - Representative from Niti Aayog
 - Dr. Mittal, DST
 - Dr. Anil Gupta, IIM-A
 - Dr. Renu Swaroop – MD, BIRAC
 - Dr. Rajiv Sharma – Director, Nanomission, DST
 - Dr. Vijay Kumar – ICMR
 - Dr. Dhananjay K Tiwary – DBT
 - Representative of CII
 - Dr. Y K Gupta – AIIMS
 - Dr. T. Pradeep – IIT, Madras
 - Dr. A. Wali – FIIT, Director
 - BIRAC, CEO
 - 2 – 3 Company representatives
 - Dr. Vipin Kumar, Director, NIF
- 15 technology presentations (3 minutes each) + 5 minutes discussion with panelists.

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01:15 PM - 02:15 PM - Valedictory

- **Recommendations and way ahead – Presentation by conveners of breakout groups**
- **Address by Prof. Y. K. Gupta**
- **Address by Dr. Soumya Swaminathan, DG, ICMR**
- **Vote of Thanks by Prof. A. K. Dinda**

02:15 PM - 3:00 PM - Lunch