

1st INTERNATIONAL WORKSHOP ON NANOPARTICLES AND THEIR APPLICATIONS IN MEDICINE

NAM - 2012

3-4 January, 2012



Organized by

School of Medical Science and Technology, Indian Institute of Technology Kharagpur, India

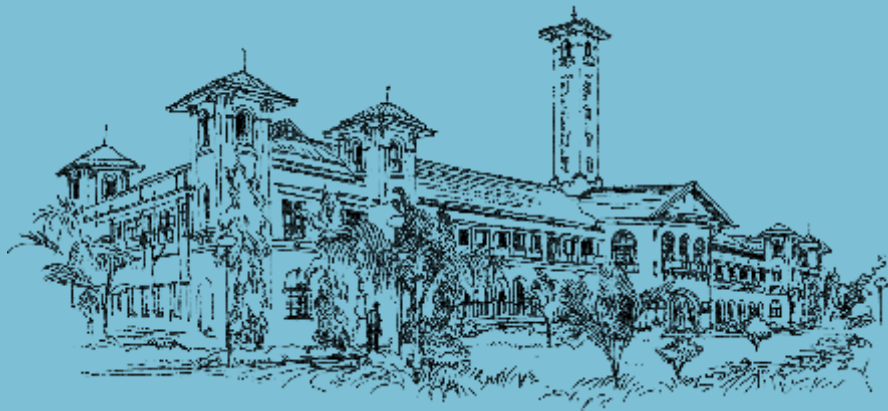
In association with

Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, India &

World Academy of BioMedical Sciences and Technologies (WABT), France &

International Council for Engineering and Technology (ICET), UNESCO, France &

NanoScience Technology Center and Advanced Materials Processing and Analysis Center (AMPAC), University of Central Florida, USA



Background

Recent years have witnessed unprecedented growth of research and applications in the area of nanoscience and nanotechnology. The use of nanotechnology in medicine and more specifically drug delivery is increasingly gaining popularity. The biomedical applications of nanoparticles as efficient drug delivery carriers have attracted great attention in the last decade.

As part of Diamond Jubilee Celebrations of Indian Institute of Technology Kharagpur, School of Medical Science and Technology (SMST), Indian Institute of Technology Kharagpur, India, in collaboration with Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, India, World Academy of Biomedical Sciences and Technologies (WABT), Paris, France, International Council for Engineering and Technology (ICET), Paris, UNESCO, France and NanoScience Technology Center & Advanced Materials Processing and Analysis Center (AMPAC), University of Central Florida, USA is organizing the 1st International Workshop on Nanoparticles and their Applications in Medicine (NAM – 2012) on 3-4 January, 2012.

NAM–2012 aims to provide an overview on recent advances and challenges in the development of nanoparticles and their applications in health care. Faculty members, clinical researchers, scientists, technologists and students from various national and international Institutes/Universities are expected to participate in the workshop. This workshop will consist of a number of talks by key experts and well known speakers on developments and therapeutic applications of nanoparticles in medicine. Arrangements will be made for live demonstration of nanoparticle characterization tools. A panel discussion with a goal to review the current state of technology and associated R&D challenges in this emerging field is also proposed. Translating nanoparticle research into medicine for improved patient care and the role of commercialization will be discussed. A specific goal of the workshop is to define a set of proposed research directions and motivate joint research proposals with Europe and USA.

Invited Speakers

- W. Selvamurthy, Chief Controller R&D for Life Sciences and International Cooperation, DRDO, Govt. of India
- Sanku Mallick, North Dakota State University, USA
- Sudipta Seal, University of Central Florida; USA
- Kewal K. Jain, Jain PharmaBiotech, Basel, Switzerland
- Ueli Aebi, M.E. Müller Institute for Structural Biology, Biozentrum, University of Basel, Switzerland
- Amarnath Maitra, University of Delhi, New Delhi, India
- Gopal K. Khuller, Post Graduate Institute of Medical Education and Research, Chandigarh, India
- Jayesh R. Bellare, Indian Institute of Technology Bombay, India
- Arup Mukherjee, University of Calcutta, Kolkata, India
- Tarakdas Basu, University of Kalyani, Kolkata, India
- Anjan Dasgupta, University of Calcutta, Kolkata, India
- Arnab Chattopadhyay, Institute of Haematology & Transfusion Medicine, Calcutta Medical College, Kolkata, India
- Panchanan Pramanik, Indian Institute of Technology Kharagpur, India

Workshop Themes

- Development of nanoparticles for clinical applications
- Nanoparticles and drug delivery systems
- Nanoparticles and health: pros and cons
- Nanoparticles and alternative medicine

Live Demonstration of Nanoparticle Characterization Tools

- Scanning Electron Microscope (SEM)
- Atomic Force Microscope (AFM)
- Particle Size and Charge Analyzer
- Fourier Transform Infrared (FT-IR) Spectrophotometer
- High Pressure Liquid Chromatograph (HPLC)

Venue:

Indian Institute of Technology Kharagpur, Kharagpur- 721 302, India

1st International Workshop on Nanoparticles and their Applications in Medicine (NAM-2012)

January 3 – 4, 2012,

Indian Institute of Technology, Kharagpur

Registration Form

Please complete the form and send it along with the requisite demand draft to the Workshop Convener.
If you have any queries, please mail us at iwnam2012@gmail.com

PERSONAL INFORMATION (Please fill in CAPITAL LETTERS)

*All fields marked with a star are required for registration

*Title (please tick): Mr/Mrs/Ms/ Prof./Dr./ Others (Please specify : _____)

*Designation (please tick): Faculty/Scientist/Post doctoral fellow/PhD Scholar/Student

*First (Given) name: _____

Middle name: _____ *Last (Family) name: _____

*Organization: _____

*Postal address: _____

*Pin code: _____ City: _____ *Country: _____

*E-mail address: _____

*Tel: (country code - area code -tel no.) _____

Note:

- Registration closes on 15th December 2011.
- Hurry up!!! Seats limited to 30 for participation, registration to be done on first come-first serve basis.
- Secure your accommodation at the earliest to avoid inconvenience at the time of workshop.

Official Use Only

Date Received :

Registration No. :

Accommodation

Limited accommodation is available in the guest house on personal payment basis. Please contact at iwnam2012@gmail.com regarding your room requirements.

Summary of Payment

*Registration fee (Please tick appropriate box / Demand Draft should reach on or before the dates specified respectively)

		By 10 th November	After 10 th November
Faculty / Scientist	Indian	<input type="checkbox"/> Rs. 3500	<input type="checkbox"/> Rs. 4000
	Foreign National / NRI	<input type="checkbox"/> US\$ 100	<input type="checkbox"/> US\$ 120
Post Doctoral Fellow	Indian	<input type="checkbox"/> Rs. 3000	<input type="checkbox"/> Rs. 3500
	Foreign National / NRI	<input type="checkbox"/> US\$ 80	<input type="checkbox"/> US\$ 100
PhD Scholar	Indian	<input type="checkbox"/> Rs. 2500	<input type="checkbox"/> Rs. 3000
	Foreign National / NRI	<input type="checkbox"/> US\$ 60	<input type="checkbox"/> US\$ 80
Student	Indian	<input type="checkbox"/> Rs. 2000	<input type="checkbox"/> Rs. 2500
	Foreign National / NRI	<input type="checkbox"/> US\$ 40	<input type="checkbox"/> US\$ 60

*On spot registration (subject to availability) will be at additional fees of 20%

Payment Details :

Payment Method-Please tick appropriate box

Demand Draft Cash (For spot registration only)

*Demand Draft details :

DD No. _____ Amount _____

Date of Issue : _____

Name of Bank: _____

Payments to be made by demand draft in favor of 'CEP-STC, IIT Kharagpur' payable at Kharagpur.

An email confirmation receipt of payment will be sent to the email-address provided above. Please bring the confirmation message with you to the registration desk to facilitate the registration process.

Registration Cancellation Policy

Cancellation of a registration must be notified in writing to Workshop Management. Cancellations prior to 30th November, 2011, applicant will receive a refund of 40% of registration fee. No refund will be given for cancellation after 30th November, 2011.

***Agreement to terms and conditions** : I wish to register for the NAM 2012 workshop and acknowledge the registration terms including the cancellation policy.

Signature : _____

Patron

Damodar Acharya, Director, IIT Kharagpur, India

Advisory Committee

Peter Brett, Brunel University, UK

Martin Dym, Georgetown University School of Medicine, USA

Rod Ruoff, The University of Texas at Austin, USA

Charlie Robinson, Americal Association of BioEngineering, USA

Donna Hudson, Institute of Electrical and Electronics Engineers

Ajoy K. Ray, Bengal Engineering and Science University, Shibpur, India

Baidyanath Chakravarty, Institute of Reproductive Medicine, India

Sucheta P. Dandekar, Seth G.S. Medical College and KEM Hospital, India

Susanta Sen, University of Calcutta, India

Sujoy K. Guha, IIT Kharagpur, India

Arun K. Majumder, IIT Kharagpur, India

Panchanan Pramanik, IIT Kharagpur, India

Sanat K. Roy, IIT Kharagpur, India

Basudam Adhikari, IIT Kharagpur, India

Panel Discussion Moderators

Sujoy K. Guha, Indian Institute of Technology Kharagpur, India

Dhrubajyoti Chattopadhyay, University of Calcutta India

Conveners

Koel Chaudhury, SMST, Indian Institute of Technology Kharagpur, India

Co- Conveners

Dhrubajyoti Chattopadhyay, CRNN, University of Calcutta, India

Giuseppe Tritto, World Academy of BioMedical Sciences & Technologies, France

Sudipta Seal, NanoScience Technology Center & AMPAC, University of Central Florida, USA

Organizing Committee

Pranab K Dutta, SMST, IIT Kharagpur, India (Chair)

Jyotirmoy Chatterjee, SMST, IIT Kharagpur

Santanu Dhara, SMST, IIT Kharagpur

Swagata Dasgupta, Chem, IIT Kharagpur

Rahul Mitra, MME, IIT Kharagpur

Karabi Das, MME, IIT Kharagpur

Tapas K. Maiti, Biotech, IIT Kharagpur



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