



CENTRE FOR INTERDISCIPLINARY RESEARCH

D. Y. Patil University, Kolhapur

We cordially invite you for the Inaugural Function of

“International Conference on Nanotechnology & Medical Sciences”

(IC NAMS-2010)

To be held on

Thursday, 21st October 2010 at 10:00 a.m.

Chief Guest

Dr. Anthony Coleman

Institute de Biologie et Chimie des Proteines, France

The function will be presided over by

H.E. Hon'ble Padmashree Dr. D. Y. Patil

Governor of State of Tripura

In the presence of

Hon'ble Shri. Sanjay D. Patil

Chancellor, D. Y. Patil University, Kolhapur

Hon'ble Shri. Satej D. Patil

M.L.A.

Hon'ble Prof. (Dr.) S. H. Pawar

Vice-Chancellor & Convener, ICNAMS-2010

Dr. W. Selvamurthy

DRDO, New Delhi

&

Dr. J. V. Yakhmi

BARC, Mumbai

Dr. Rameshwar Bhargava

Nanocrystals Technology, New York

Will be the guests of honour of the function

Your gracious presence is solicited

Dr. R. J. Khyalappa

Secretary, ICNAMS-2010

Vishwanath Bhosale

Registrar

* Venue *

D. Y. Patil University, Kasaba Bavada, Kolhapur (M.S.)

Programme at a Glance

International Conference On NANOTECHNOLOGY & MEDICAL SCIENCES

(ICNAMS - 2010)
October 21-23, 2010



Organized By

Centre for Interdisciplinary Research

D. Y. PATIL UNIVERSITY

(Estd. u/s 3 of the UGC Act, 1956)

Kolhapur- 416 006 (M.S.) INDIA

October 21, 2010 (Thursday)

08.30 am to 10.00 am **Registration & Breakfast**

10.00 am to 11.15 am Inauguration

IT 1 : Polymer and DNA based block-copolymers: self-assembly and applications to nanoparticle stabilization,
11.15 am to 01.30 am
Dr. Fabienne Gauffre

Technical Session - I
IT 2 : Nanotechnology for Medicine: A DRDO initiatives
Dr. W. Selvamurty

IT 3 : Importance of Soft Matter for therapeutics /drugs
Prof. Jatindar Yakhmi

01.30 pm to 02.30 pm **Lunch**

IT 4 : Controlled release from collagen-mimic nanoparticles
02.30 pm to 04.30 pm
Dr. (Ms.) Chie Kojima

Technical Session - II
IT 5 : Tunable multi-wavelength laser based on Opto-VLSI processing,
Prof. Kamal Alameh

IT 6: New Interfaces between Nanotechnology and Medical Sciences,
Prof. Dr. S. H. Pawar

04.30 pm to 04.45 pm **Tea**

PL 01 How Incorporation of a Single Atomic Impurity in a Nanocrystal Provides Breakthrough for Diagnosis, Tracking and Treatment of Cancer,
04.45 pm to 06.00 pm
Prof. R. N. Bhargava

Technical Session - III

07.00 pm to 08.30 pm **Entertainment Programme : Sangeet Svayamvar, Musical Drama,**
Venue : Keshavrao Bhosale Natyagruha

08.30 pm to 10.00 pm **Dinner**

October 22, 2010 (Friday)

- 08.45 am to 09.15 am** **Breakfast**
- 09.15 am to 11.15 am*
Technical Session IV
- IT 7 : X-Ray Imaging Studies Using Synchrotron Radiation Prof. Tohoru Takeda
- IT 8 : Attachment of mesenchymal cells to hydrophobic polymers and nano-materials, Prof. Dr. Wilhelm K. Aicher
- IT 9 : Novel synthesis routes to magnetic nanoparticles for applications in biomedicine, Prof. Sangeeta N. Kale
- 11.15 am to 11.30 am** **Tea**
- 11.30 am to 01.30 pm*
Technical Session V
- IT 10 : Nanopharmacology and Nanotoxicology : The calix[n]arenes as case studies, Prof. Anthony Coleman
- IT 11 : Nanomedicine: Novel Approaches to Anti-Cancer Drugs by Nanoencapsulation, Prof. Kurt E. Geckeler
- IT 12 : Nanomaterials for separation of important radionuclides for medical applications, Dr. A. K. Tyagi
- 01.30 pm to 02.30 pm** **Lunch**
- 02.30 pm to 04.30 pm*
Technical Session VI
- IT 13 : Temperature metrology: its importance and applications in medical sciences, Dr. Y. P. Singh
- IT 14 : Polymer drug conjugate therapeutics- the new paradigm Prof. Anita Kinara Verma
- IT 15 : Protein and peptide structural changes: Protein aggregation and photoactive biomaterials, Prof. Shun Hirota
- 04.30 pm to 04.45 pm** **Tea**
- 04.45 pm to 06.00 pm*
Technical Session VII
- 06.00 to 07.00 pm** **PL 2** Use of nanobiotechnology in neurosciences -from basic research to clinical applications, Prof. K. K. Jain
Technical Session VIII
- 08.30 pm to 10.00 pm** **Discussion Meeting on Scientific Innovations and Interactions : By Invitation (DYPU Scientist and Invited Experts)**

October 23, 2010 (Saturday)

- 08.00 am to 09.00 am** **Breakfast**
- 09.00 am to 10.15 am*
Technical Session IX
- 10.15 am to 11.00 am** **IT 16 :** Revisiting Photoconducting CdS: Top-down Photopatternable Micro-photoconductor & Bottom-up Hierarchical Nanostructures, Prof. Dinesh P. Amalnekhar
- 11.00 am to 11.15 am** **Tea**
- 11.15 am to 01.30 pm*
Technical Session X
- IT 17 : Myosin based machines, Dr. Pasquale Bianco
- IT 18 : Polymer Composite Piezo-resistive Microcantilever Technology for Bio-chemical sensing applications Nitin S. Kale/ Dr. Sheetal Patil
- IT 19 : A Novel Approach to Imaging Brain Functional Connectivity, Prof. Kiwoong Kim
- 01.30 pm to 02.30 pm** **Lunch**
- 02.30 pm to 03.30 pm*
Technical Session XI
- IT 20 : Piezoresistive microcantilevers using Hotwire CVD materials for Biomolecule Detection, Richard Pinto
- IT 21 : Nanotechnology & Medical Practice, Dr. R. J. Khyalappa
- 03.30 pm to 04.30 pm** **Panel Discussion : Nanotechnology : The new paradigm in Health Care**
- Chairman :** Prof. Dr. S. H. Pawar
- Members :** Dr. F. Gauffre , Dr. Y. P. Singh
Prof. K. Almeh, Prof. K. Geckeler
Prof. T. Takeda, Prof. R. N. Bhargava
Prof. S. Hirota Prof. A. Coleman
- 04.30 pm to 04.45 pm** **Tea**
- 04.45pm to 05.30pm** **Valedictory Function**