

## SPONSORSHIP

Mr./Ms./Dr./Prof.\_\_\_\_\_ is an employee of our institution/organization and hereby sponsored. He/She will be permitted to attend the programme, if selected.

Date : Office Seal Signature of the Sponsoring Authority



### E-Mail your Registration forms to:

Mr. T. A. Selvakumar / Ms. S. Sudha  
Department of Biomedical Engineering  
Rajalakshmi Engineering College,  
Thandalam, Chennai -602105

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## ORGANISING COMMITTEE

### Chief Patrons:

Mr. S. Meganathan, Chairman  
Dr. (Mrs.) Thangam Meganathan, Chairperson

### Patron:

Dr. S. Renganarayanan, Principal

### Coordinators:

Prof .K. R Radha Krishnan  
Dean, Faculty of Computing

Prof. S. Mohamed Yacin  
HOD/BME

### Co-ordinators:

Mr. T. A. Selvakumar, Lecturer, BME  
Ms. S. Sudha, Lecturer, BME

### Eligibility / Selection Procedure

Academicians, Medical professionals, Research scholars and other working professionals interested in the field of Nanotechnology. Maximum number of participants is limited to 30; hence, the selection will be made by short-listing the applicants.

### Course Duration

The two days programme is scheduled on 11<sup>th</sup> and 12<sup>th</sup> of August 2011.

**Timings: 9.00 am to 3.00 pm**

### Important Dates

Last date for receipt of filled in applications:  
**Aug 03, 2011**

Date of intimation regarding selection:  
**Aug 05, 2011**

# NATIONAL SEMINAR ON BIOMEDICAL APPLICATIONS OF NANOTECHNOLOGY

August 11 - 12, 2011



Sponsored by  
**INDIAN COUNCIL OF  
MEDICAL RESEARCH  
NEW DELHI**

**Co-ordinator : Prof. K. R. Radha Krishnan**



Organized by  
**Department of  
Biomedical Engineering**

**RAJALAKSHMI ENGINEERING COLLEGE**  
Rajalakshmi Nagar, Thandalam,  
CHENNAI - 602 105  
Website: www.rajalakshmi.org  
Phone: 044-27156750 / 751 / 752  
Fax: 044-27156640 / 641

### **About the hosting Institution:**

Rajalakshmi Engineering College is one of the leading ISO-9001-2008 certified and NAAC and NBA accredited engineering colleges established under self-financing scheme in 1997. The college has been growing from strength to strength in the last 12 years and moving ahead to become a Centre of Excellence in Engineering, Management Education, Research and Development. The college is located in a serene atmosphere amidst many multinational companies in Thandalam, about 25 kms. from Chennai on the Bangalore National Highway (NH4), providing the right industrial ambience for the budding engineers. The institution currently offers 10 UG programs, 8 PG programs, and 7 Research programs.

### **About The Department:**

Biomedical Engineering is the application of Engineering concepts and techniques to the field of Medicine. It combines the problem solving capability of engineers with the medical expertise of physicians to enhance the quality of life through health care process. Our Department was started in the year 2006. It offers a B.E. in Biomedical Engineering and an M.E. in Medical Electronics programme affiliated to Anna University, Chennai.

### **Overview of the Seminar**

In recent days one of the greatest innovations in the field of biomedical engineering is Nanomedicine. Nanotechnology

is emerging as a new field enabling the creation and application of materials, devices, and systems at atomic and molecular levels and the exploitation of novel properties that emerge at the nanometer scale. Potential uses of nanotechnology in biomedical engineering include the early detection and treatment of disease.

The proposed National Seminar will provide an opportunity to interact, promulgate information and learn from other's work related to characterization of Nanoparticles, Application of nanotechnology in medicine, Nanoparticles for imaging and therapy, Nano biosensors and Nanotoxicology.

### **Seminar Content**

- Evolution of Nanotechnology
- Surface property and structural characteristics of Nanoparticles
- Impact of Nanotechnology in Medicine
- Nanotechnology in diagnostic and imaging techniques
- Nanomedicine and Disease
- Nanoparticles in cancer diagnosis
- Nano-Biosensors
- Application of Nanotechnology to Tissue Engineering
- Scientific Revolution of Nanotechnology

### **Resource Persons**

Sessions will be handled by experienced faculty members of the host institution, eminent speakers from various institutes of Medical Sciences and Research Institutes/ Industries

## **REGISTRATION FORM**

### **NATIONAL SEMINAR ON BIOMEDICAL APPLICATIONS OF NANOTECHNOLOGY**

**11<sup>th</sup> – 12<sup>th</sup> August 2011**

Name (in BLOCK LETTERS)

Mr / Ms / Dr / Prof.

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Designation & Department

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Name of the Institution/Organization

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Address for Communication

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E-mail \_\_\_\_\_

Contact. No \_\_\_\_\_

Accommodation Requirement: Yes / No

Place:

Signature