

**National Level Workshop on Microarray Data Analysis,  
Systems Biology and Next Generation Sequencing in  
Bioinformatics**



**Maharani Lakshmi Ammani College for Women,**

**DBT-BIF Center**

**Maharani Lakshmi Ammani College for Women,**

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## **1. Microarray Data Analysis**

## **2. Systems Biology**

## **3. Next Generation Sequencing in Bioinformatics**

### **Workshop Schedule:**

#### **Day 1 :**

Morning:

9.30 AM-10.30 AM: High dimensional data sets: where we are?

15 min : Break

10.45 AM-12.00 PM: Introduction to the machine learning/data mining

Afternoon:

1.30 PM-2.30PM: Basic Statistics and introduction to R

15 min : Break

2.45 PM-5.00PM: Practical on basic statistics

#### **Day 2 :**

Morning:

9.30 AM-10.30 AM: Biomarker discovery: An Introduction

15 min : Break

10.45 AM-12.00 PM: Methods for biomarker discovery

Afternoon:

1.30 PM-2.30PM: Biomarker discovery for cancer research

15 min : Break

2.45 PM-5.00PM: Practical

### **Day 3 :**

Morning:

9.30 AM-10.30 AM: Networks and Systems biology: An Introduction

15 min : Break

10.45 AM-12.00 PM: Methods for Network (re)construction

Afternoon:

1.30 PM-2.30PM: Network visualization

15 min : Break

2.45 PM-5.00PM: Practical on networks

### **Day 4 :**

Morning:

9.30 AM-10.30 AM: Classification

15 min : Break

10.45 AM-12.00 PM: Regression

Afternoon:

1.30 PM-2.30PM: Practical on Classification

15 min : Break

2.45 PM-5.00PM: Practical on Regression

### **Day 5 :**

Morning:

9.30 AM-10.30 AM: Next generation sequence data: An introduction

15 min : Break

10.45 AM-12.00 PM: Evaluation

## **Workshop Trainers**

Dr.Animesh Acharjee, Scientist- Statistics,

International Cancer Genome Project

France

## **Duration**

The duration of the workshop will be for 5 days.

## **Tentative Dates**

October 2011

## **Course Fees**

For Students- Rs 1800/- per candidate

For Research Scholars-Rs 2100/- per candidates

For Company/Working Professionals- Rs 2500/- per candidate

Group Discounts will be available for a group of 4 or more.

## **Registration Process**

Send a Demand Draft of five hundred Rs. For the registration fees in favor of "Bioenigma -Maharani Lakshmi Ammani College for Women, Malleshwaram, Bangalore" payable at Bangalore with the completed Registration form.

**ALL THE COMPLETED REGISTRATION FORMS WITH THE DEMAND DRAFT SHOULD BE SEND TO**

Last Date for Registration is August 2011.

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