

Workshop Objectives

This intensive 5 day course in Nutritional Epidemiology will introduce participants to cutting edge analytical methods for addressing data arising from complex study designs. The course aims to integrate theory and application in nutritional epidemiology and biostatistics with a focus on public health perspectives.

Goals of the Course:

- ◆ *Acquaint and update participants with research methods specific to the field of nutritional epidemiology.*
- ◆ *Increase the capability for research in nutritional epidemiology.*
- ◆ *Help participants better understand and use approaches to reduce measurement error in diet.*
- ◆ *Increase the ability of participants from multiple backgrounds to work together to carry out successful projects in nutritional epidemiology*

Who should attend

Junior Researchers, Physicians, Doctoral and Post Doctoral Fellows, and Practitioners of public health in nutrition and obesity research. Previous involvement in research/data handling is required.

Course Faculty

The course faculty are experts in the field of nutrition and obesity epidemiology, and biostatistics from St. John's Research Institute, Bangalore and Albert Einstein College of Medicine, New York.

The workshop will use a variety of teaching-learning methods. These include lectures, group work, participant presentations and hands-on training using R software. All course materials will be provided. The participants may bring a laptop of their own with software installed.

Registration

Registration form can be downloaded from the SJRI-website www.sjri.res.in. Completed registration form should be emailed as an attachment to newbio@sjri.res.in by 25th June, 2013.

Workshop fee to be paid along with the registration form as demand draft (DD) drawn in favour of St. John's Research Institute, Bangalore. The fee covers tuition, workshop materials, lunch and tea for all days. A limited number of partial scholarships are

Accommodation

Participants will have to bear their own expenses for travel and accommodation. However, single or shared accommodation can be arranged for the participants on St. John's campus. Options are also available outside the campus within walking distance.

Important Dates to Remember

Early Bird Registration:

June 10, 2013 (Avail 15% Discount, Fee-Rs. 5000/-)

Last Date:

June 25, 2013

For further enquiry and registration, contact:

Dr Tinku Thomas, PhD
Division of Epidemiology & Biostatistics
St. John's Research Institute

E-mail: newbio@sjri.res.in

St. John's Research Institute

St. John's National Academy of Health Sciences,
Bangalore – 560 034

&

Albert Einstein College of Medicine

New York

Quantitative Methods in Nutrition:

Analytical approaches to Incorporating Dietary Biomarkers and Reducing Measurement Error

Dates: July 1 - 5, 2013



Venue: Biorepository Conference Hall,
St. John's Research Institute

Workshop fee: Rs. 6000/- (Six thousand only)

E-mail: newbio@sjri.res.in

Quantitative Methods in Nutrition, July 1-5, 2013

Course Faculty: Drs Anura Kurpad, MD,DNB, PhD; Sumathi Swaminathan, PhD and Tinku Thomas, PhD (SJRI) Drs. Jeannette M. Beasley PhD, MPH, RD and Shankar Viswanathan, DrPH (Einstein)					
Day/ Time	Monday 01/07	Tuesday 02/07	Wednesday 03/07	Thursday 04/07	Friday 05/07
9.00-9.45 am	Introduction and course overview	Epidemiology study design overview/Energy adjustment methods	Measurement error: threats to validity, bias, loss to follow-up, missing data	Misclassification in two way tables, linear regression	Linear mixed models
9.45-10.45 am	Review of dietary assessment tools: strengths and limitations	Cohort studies: evaluating the dietary fat and breast cancer relationship	Approaches to mitigating threats to validity	Measurement error in regression : linear & binary regression	Case study: longitudinal analysis
10.45-11.00 am	Break				
11.00-12.00 pm	Introduction to the case study and ecological study examples: Dietary Fat and Breast Cancer	Statistical concepts: linear regression/ logistic regression	Measurement error reduction: regression calibration	Case study: measurement error	Group Presentations
12.00-12.45 pm	Statistical concepts: descriptive statistics	Case control and cohort studies: evaluating the dietary fat and breast cancer relationship.	Case study: dietary fat and breast cancer studies using regression calibration	Linear models	Group Presentations
12.45-1.45 pm	Lunch				
1.45-2.45 pm	Derivation of food composition tables	Epidemiological & statistical concepts: intervention studies	Review of nutrient biomarkers	Error in response	
2.45-3.45 pm	Design and validation of dietary assessment instruments	Intervention studies: evaluating the dietary fat and breast cancer relationship	Approaches for integrating nutrient biomarkers into analyses	Longitudinal models	
3.30-4.00 pm	Break				
4.00-5.00 pm	Group Work/Lab	Group Work/Lab	Group Work/Lab	Group Work/Lab	





Quantitative Methods in Nutrition 2013

St. John's Research Institute, Bangalore 560034

1st – 5th July 2013

Registration Form

Name of Participant (as required on the certificate) with Designation			
Name of the Institution			
Contact Address			
Telephone/ Cell number			
Email address			
Accommodation required (Yes/No)			
(If yes, please tick choice)	Within Campus (non-AC) (AC) Approx Rs 600/day Approx Rs 1700/day		Outside Cam pus (AC) Approx Rs 3000/day
Agreeable for shared accommodation (Yes/No)			
Food preference (Veg/Non-veg)			
Reason for interest in the workshop			
Two main expectations from the workshop	1. 2.		
Any other information which you like to share			

Important notes on registration:

1. A separate registration form needs to be filled for each participant
2. Accommodation can be arranged based on your preference
3. The DD drawn in favour of St. John's Research Institute, Bangalore should be sent to
 Dr. Tinku Thomas
 Division of Epidemiology and Biostatistics,
 St. John's Research Institute, Koramangala
 Bangalore- 560 034 Email: newbio@sjri.res.in

Filled form should be submitted by 25th June 2013 along with the workshop fee