

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 15th October, 2014

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. .

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:

September 15, 2014 (Avail 15% Discount, Fee-Rs. 5000/-)

Last Date: October 15, 2014

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: October 27– 31 , 2014



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, *October 27-31, 2014*

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 27/10	Tuesday 28/10	Wednesday 29/10	Thursday 30/10	Friday 31/10
9.00-9.45 am	Introduction and course overview	Compilation of dietary data and identification of inadequate intakes	Energy Adjustment methods	Approaches for integrating nutrient biomarkers into analyses.	Hot topics in nutrition
9.45-10.45 am	Introduction to the case study and ecological study examples	Review of dietary assessment tools: strengths and limitations	Measurement error reduction: Threats to validity 1: Bias	Misclassification in two way tables.	Group Presentations
10.45-11.00 am	Break				
11.00-12.00 pm	Study designs continued: Case control, cohort studies	Design and validation of dietary assessment instruments	Measurement error reduction: Threats to validity 2: Loss to follow-up, missing data	Measurement error in regression : linear & binary regression with a case study	Group Presentations
12.00-12.45 pm	Study designs continued: Intervention studies.	Statistical concepts: Descriptive and generalized linear models	Approaches to mitigating threats to validity	Examples of application in measurement error reduction techniques	Evaluation/Valedictory
12.45-1.45 pm	Lunch				
1.45-3.00 pm	Derivation of food composition tables	Statistical concepts: analysis of RCT & meta analysis	Review of nutrient biomarkers	Introduction to public data sets	
3.00-5.00 pm	Group Work/Lab	Group Work/Lab	Group Work/Lab	Group Work/Lab	





Workshop on Quantitative Methods in Nutrition 2014

St John's Research Institute, Bangalore 560034

27st – 31th October 2014

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		Outside Cam pus
	(non-AC) Approx Rs 700/day	(AC) Approx Rs 1700/day	(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 15th October 2014 along with the workshop fee