Epidemiologic Principles & Methods

This course will stress the conceptual foundation of epidemiologic research, and present the methodologic approaches that stem from these conceptual foundations. The course objective is to unify the approach to epidemiologic research around a coherent set of concepts.

Specific topics will include a discussion of a general model of causation, causal inference, measurement of disease frequency and exposure effects, the principles of epidemiologic study design and data analysis, the assessment and control of confounding factors, stratified analysis, the use of matching, the evaluation of interaction, and the evaluation of dose-response trends. The course will include group discussions of published epidemiologic studies and computer workshops*.

*Participants must provide their own laptop computer with Microsoft Excel installed.

Preliminary Course Outline

Day 1  Causation and Causal Inference
       Epidemiologic Measures
       Types of Epidemiologic Study

Day 2  Principles of Study Design
       Assessment and Control of Confounding
       Principles of Epidemiologic Data Analysis

Day 3  Crude and Stratified Analysis
       Analysis of Matched Data
       Measuring Biologic Interaction
       Course Dinner & Cruise

Day 4  Multivariable Modeling
       Evaluating Dose-Response Trends
       Open Discussion

Course Presenter

KENNETH J. ROTHMAN, Ph.D.
Professor of Epidemiology, Boston University

Kenneth Rothman is Professor of Epidemiology at the Boston University School of Public Health, past president of the Society for Epidemiologic Research, an Honorary Fellow of the American College of Epidemiology, and a recipient of the Abraham Lilienfeld Teaching Award from the American Public Health Association. He is the former editor of Epidemiology and author of textbooks Modern Epidemiology and the newly released Epidemiology - An Introduction.

His research has spanned various topics relating to the epidemiology of cancer, neurologic disease, birth defects, and environmental exposures. His main focus, however, has been the development and teaching of the concepts and methods of epidemiology.

Cancellation Policy

Cancellation must be notified in writing to the Conference Secretariat. Cancellations received before 1 November 2002 will be eligible for a full refund. Cancellations received after that date will incur a AUD$250 administration fee.

Further Information

For further information about the course please contact:
Raquel Osborne, Administration Manager, Menzies Centre
Tel: 03 6226 7732  Int: +61 3 6226 7732
Fax: 03 6226 7704  Int: +61 3 6226 7704
Email: Raquel.Osborne@utas.edu.au
Or visit our web site: www.menzies.utas.edu.au

Registration Fee:
Includes tuition, lecture notes, lunches, morning and afternoon teas.

- Before 6 September 2002   AUD$1,275
- After 6 September 2002    AUD$1,375
- Student Rate             AUD$1,225
- Course Dinner            AUD$77
- Accommodation deposit    AUD$100

All fees include GST

Payment Method:
- Cheque
- Money Order
- Bankcard
- Visa
- Master Card

Card No.:          Expiry Date:  Cardholder Name:
Cardholder Signature:

OR I enclose a cheque/money order for: $___________
   (payable to the Menzies Centre)

Please return completed form and payment to:
Conference Secretariat, Convention Wise
Victoria Dock, Hobart, Tasmania, Australia, 7000.
Tel: 03 6234 1424  Int: +61 3 6234 1424
Fax: 03 6231 5388  Int: +61 3 6231 5388

Tax Invoice: Menzies Centre for Population Health Research
ABN: 30 764 374 782
The Menzies Centre for Population Health Research was founded in 1988 by the Sir Robert Menzies Memorial Foundation and the University of Tasmania to focus on research into diseases common in Tasmania. Since that time the Menzies Centre has established an international reputation in the field of population health research.

Research at the Centre is currently focussed on the following areas:

- the genetic basis for diseases including glaucoma, osteoarthritis and multiple sclerosis
- childhood diseases
- cardiovascular disease
- cancer
- diabetes
- musculoskeletal diseases

The Centre is also committed to training researchers so they can take an active and meaningful role in national and international programs. This is the fourth major training program hosted by the Menzies Centre.

Accommodation

Accommodation has been secured at group discount rates at Oakford on the Pier and a number of establishments in the vicinity. To obtain the discounted rates detailed below, all accommodation must be booked through the Conference Secretariat, who can also advise on any other requirements you may have. An accommodation deposit of AUD$100 must be included with each booking and the balance paid directly to your hotel.

The following rates are in Australian Dollars. Please place numbers 1, 2 & 3 in the boxes beside accommodation prices to indicate your preference.

**OAKFORD ON THE PIER**
- One Bedroom Apartments $130
- Family Apartments $175
- Balcony Apartments extra $20

**QUEST APARTMENTS**
- Hotel-style Apartments $112
- Studio Apartments $143

**SALAMANCA INN**
- One Bedroom Apartments $155
- Two Bedroom Apartments $197

Please complete the following reservation details:

Number of extra persons _____________________________
I wish to share with ______________________________
Check in ___/___/2002 Check out ___/___/2002

Course Dinner & Cruise

The course dinner will be held at the beautiful Moorilla Estate Winery on the banks of the River Derwent. The evening will commence with a scenic 45 minute cruise. Champagne will be served on board and pre-dinner drinks and canapés on arrival at the Antiquities Museum which is located at the Winery. The three course dinner will be served in the Museum atrium, and will include a selection of award winning Moorilla wines. The return trip will be by bus.

The course will be held at the Hobart Function and Conference Centre, located at the Elizabeth Street Pier on the Hobart waterfront. Conference rooms feature natural lighting and stunning water views. It is an easy stroll to historic Salamanca Place and the Hobart CBD. Accommodation is available in the adjacent Oakford on the Pier Apartments and other nearby establishments.

Epidemiologic Principles & Methods

Presented by

Professor Kenneth Rothman

Hobart
9 - 12 December 2002

Hosted by the Menzies Centre for Population Health Research