



**Dear Colleagues,** —We are pleased to announce the sixth Research Methods in Complementary and Integrative Medicine training course, which will be held March 29 through April 4, 2012 for the first time in the United States. The course will provide participants with the skills necessary to both critically appraise clinical research, identify gaps, and to plan and perform their own study projects. Another important aim of the course is to foster international networking among participants.

The course will be taught by internationally recognized experts in complementary medicine research, who have extensive experience in both teaching research methodology and conducting research studies. Their studies have been published in leading general medical journals such as *Lancet*, *JAMA*, *BMJ*, *Annals of Internal Medicine*, and the *Cochrane Database of Systematic Reviews*. This academic course is being held in cooperation with the University of Maryland Center for Integrative Medicine and the International Society for Complementary Medicine Research, a worldwide not-for-profit professional association devoted to fostering cooperative and multidisciplinary research and development in the field of CAM.

The course will take place at the Institute for Integrative Health, located in Baltimore's historic, waterfront community of Fell's Point. As the first location in Maryland to be listed in the National Register of Historic Districts, Fell's Point has a rich history and culture, and it is also home to a variety of shops, restaurants, coffee bars, and pubs. Many hotels are within walking distance, and the venue is easy to reach by public transportation or car from Baltimore's BWI Airport.

We're looking forward to welcoming you to these historic surroundings, rich with culture and entertainment, and working together with you in a program that promises to be both informative and inspiring. —*Brian Berman, MD*

**ORGANIZER:** The Institute for Integrative Health

Please e-mail or fax the application form, a short curriculum vitae to [jjones@tiih.org](mailto:jjones@tiih.org) by January 31, 2012.

The application may be downloaded from <http://tiih.org/research-methods> or [www.iscmr.org/events](http://www.iscmr.org/events).

Participants will be selected based on the order in which their applications are received, their involvement or interest in clinical research in CAM, and a review of professional qualifications.

**COURSE LOCATION:** The Institute for Integrative Health

1407 Fleet Street Baltimore, MD 21231 United States

**COURSE LANGUAGE:** English

**CERTIFICATE:** All participants will receive a detailed certificate of participation listing the subject matter of the course.

Number of participants: maximum of 20  
(*systematic reviews and meta analysis 30*)



## Research Methods Training in Complementary and Integrative Medicine

- Basic Study Design and Basic Statistics  
*March 29–April 1, 2012*
- Designing Pragmatic Trials for Comparative Effectiveness Research  
*April 2, 2012*
- Systematic Reviews and Meta-Analysis  
*April 3–4, 2012*



International Society for  
Complementary Medicine Research



UNIVERSITY of MARYLAND  
SCHOOL OF MEDICINE  
CENTER FOR INTEGRATIVE MEDICINE

## SCHEDULE

### Module 1:

Basic Study Design and Basic Statistics  
(*Claudia Witt and Klaus Linde*)

March 29–April 1, 2012

Thursday–Saturday 9am–5:30pm

Sunday 9am–3:30pm

### Module 2:

Designing Pragmatic Trials for Comparative Effectiveness Research (*Claudia Witt*)

April 2, 2012

Monday 9am–5:30pm

### Module 3:

Systematic Reviews and Meta-Analysis  
(*Eric Manheimer and Susan Wieland*)

April 3–4, 2012

Tuesday–Wednesday 9am–5:30pm

## TEACHING/LEARNING METHODS

- lectures
- group work
- presentations by participants
- exercises

## LEARNING TARGETS

### Basic Study Design and Basic Statistics

- know which types of studies are best suited to which research questions
- be able to design a study on efficacy or effectiveness taking into account specific problems in CAM
- understand the statistical findings of clinical studies, and be able to perform simple sample-size calculations and basic statistical analyses
- have basic knowledge of a variety of study designs

### Designing Pragmatic Trials for Comparative Effectiveness Research

- know the main aspects of Comparative Effectiveness Research
- be aware of the efficacy – effectiveness continuum in clinical research
- have basic knowledge in the design of pragmatic trials for CER

### Systematic Reviews and Meta-Analysis

- know the sequence of steps involved in preparing a Cochrane-style systematic review
- have experience in extracting and analyzing data, and interpreting results of meta-analyses
- know the challenges commonly encountered in preparing systematic reviews on CAM therapies, and understand methods to handle these challenges

## FEE

Module 1: \$1,000

Module 2: \$200

Module 3: \$300

All 3 modules: \$1,350

### The course fee covers

- tuition
- lunch and snacks
- course materials
- text book for module 1  
(*Clinical Research in Complementary and Integrative Medicine by Claudia Witt and Klaus Linde*)

## SUBJECT MATTER

### Basic Study Design and Basic Statistics

- Study designs: randomized controlled trials, observational studies, single-case studies, economic research, meta-analyses
- Specific methodological issues: selection, randomization, choice of controls, blinding, and outcome measurement
- Study planning

- Study management
- Collecting and entering data
- Statistics: descriptive and inferential statistics, sample-size calculation
- Presentation of participants' projects

### Designing Pragmatic Trials for Comparative Effectiveness Research

- Comparative Effectiveness Research
- PRECIS and the efficacy – effectiveness continuum
- Designing a Pragmatic Trial

### Systematic Reviews and Meta-Analysis

- Evidence-based medicine and the Cochrane Collaboration
- The Cochrane CAM Field, and the Cochrane CAM reviews evidence base
- Overview of the steps in conducting a Cochrane-style systematic review
- Basics of meta-analysis: extracting and entering data and interpreting the results
- Specific methodological issues in conducting systematic reviews on CAM therapies

## COURSE INSTRUCTORS

**Klaus Linde, MD**, Professor of Medicine, Research Methodologist, Technical University Munich

**Eric Manheimer, MS**, Research Associate, University of Maryland School of Medicine, Administrator and Research Methodologist, Cochrane CAM Field

**Susan Wieland, MPH, PhD**, Research Associate, University of Maryland School of Medicine, Research Methodologist, Cochrane CAM Field

**Claudia Witt, MD, MBA**, Professor of Medicine, Research Methodologist, Charité University Medical Center Berlin, Visiting Professor University of Maryland School of Medicine, President International Society for Complementary Medicine Research