



State Key Laboratory of Respiratory Disease
Guangzhou Institute of Respiratory Disease

MECOR Program Description special for Guangzhou 2016, China

流行病学与临床研究方法讲习班

主办单位：美国胸科学会（ATS）

协办单位：广州呼吸疾病研究所，呼吸疾病国家重点实验室、国家呼吸系统疾病临床医学研究中心

Methods in Epidemiologic, Clinical and Operations Research (MECOR)

中国 广州 2016 年 1 月 9-13 日

宗旨

通过发展区域内肺部疾病的科研能力来提升全球肺部健康水平。

背景介绍

“美国胸科学会流行病学与临床研究方法培训项目”（The ATS MECOR Program）始于 1994 年拉美洲的国际呼吸流行病学课程。随后 2004 年更名为 MECOR 项目——流行病、临床与操作研究方法项目。ATS MECOR 项目主要面向从事临床研究的医生和科研人员，帮助其鉴别和量化国内肺部疾病所带来的负担，开发、执行并评估计划中哪些有效的干预措施。今年 ATS MECOR 项目迈向其 20 周年，设有 5 个不同级别课程，包括基础科研设计、数据分析、演讲技巧和讲稿准备。2012 年 ATS MECOR 项目引进中国。首届研讨班由北京大学临床医学研究所举办。课程专为我国而设。首届仅设有阶段 1 课程，为临床研究方法简介。第二届 ATS MECOR 研讨会由四川大学华西医院、华西医学院在成都举行。课程增加至阶段 2 课程。2016 年，第三届 ATS MECOR 研讨会将由呼吸疾病国家重点实验室、广州呼吸疾病研究所在广州举办，课程亦增加至阶段 3 课程。课程邀请了 ATS 相关专家及陈荣昌教授、李靖教授等国内知名专家前来授课。ATS MECOR 项目的终极目标是通过发展当地和区域内肺部疾病研究能力来改善全球肺部健康的现状，进而为临床和流行病学项目的协作开展提供一支由训练有素的内科医师和科学家组成的队伍。ATS MECOR 项目的内容设计时刻牢记，注重公共卫生的重要性，内容挑选紧贴当地和区域内呼吸系统疾病的问题。

培训目标

ATS MECOR 项目的目标是提高临床医生的科研能力。

课程简介

Level 1：临床研究简介——提高临床医师和学者的临床研究和调查能力。

Level 2：临床研究方法——适合于有志于提升其研究设计能力和文献阅读能力的个人，从 level 1 学员中择优选取。

Level 3：高级临床研究方法——方案撰写、设计方案和如何开展合作。从 level 3 学员中择优录取。

学员要求

比较熟练应用英文进行学术交流（口头和书面）
医学或相关领域专业（如公共卫生专业）
未来各城市的学术带头人、临床研究者或公共卫生决策者
有 3 年以上临床工作经历或 2 年以上临床研究经历
必须保证 5 天的时间全封闭参与
有所在单位主管领导的推荐信

其他事项

- 1、会议学术委员对报名人员进行申请审核，符合条件的即可参加 MECOR 培训；
- 2、会议将为符合条件并参加培训的学员予以交通、食宿补贴。

时间地点

时间：2016 年 1 月 9 日-13 日
地点：广州市越秀区沿江路 151 号广州医科大学附属第一医院

培训费用：1000 元

会务联系人：王文熙
邮 箱：danywwx@163.com
电 话：13751709992

请有意参与者填妥通知后的申请表，并将申请表发还联系人邮箱。参会细则请关注 [GIRD 官网](#)。

课程表（暂定）

	Level 1	Level 2
Day 1	Introduction to the course 课程简介	Introductions and Goals 简介和目的 From Traditional Epidemiology to Clinical Epidemiology Elements of a research proposal (SC) 从传统流行病学到临床流行病学元素（研究方案视角）
	Introduction of Faculty 教师队伍简介	Review of Study Design (SC) 研究设计回顾
	Selecting a research question and introduction of FINER criteria 研究问题选择和 FINER 标准	Building your research proposal: measuring variables (Outcome, Exposure, Covariates) (SC) 规划你的研究方案：评估变量（结果、暴露因素、共变因素）
	Introduction of students & their topics of interest 学生以及个人兴趣陈述	Basic Statistics I: Background; Continuous variables (CL) 基础数据 I：背景；连续变量
	Study design overview and cohort studies 研究设计概述和队列研究	Design Groups Meet: Research Question 设计小组会面：科研问题
	Conducting focused literature searches 如何开展目标明确的文献搜索	
	Cross sectional study design 横断面研究设计	
	Small groups: preliminary discussion on research questions & report back to full group 小组讨论：就研究问题和报告进行初步讨论	

Day 2	Statistics 1: Descriptive statistics 统计 1: 描述性统计	Basic Statistics II: Categorical variables, Correlations (CL) 基础统计 II: 分类变量, 相关关系
	Case-Control Studies 病例对照研究	Design Groups meet: Study Design 设计小组会面: 研究设计
	Statistics 2 统计 2	Systematic Reviews (SC) 系统回顾
	Development of a research protocol 研究方案的开发	Survey Research: Sampling and Instrument Development (SC) 调查研究: 取样和仪器开发
	Population and Sample Selection 人口与样本筛选	Work on Proposals: Basic analysis plan 研究方案执行: 基础分析计划
	Small groups: Decide on final research question; commence work on research protocol 小组讨论: 最终研究问题确认; 开始着手落实研究方案	
	Plenary: report on progress from small groups 全体会议: 分组汇报进展	
Day 3	Statistics 3 统计 3	Approaches to confounding: matching, stratification, randomization, and multivariate models (SC and CL) 解疑答惑: 配对, 分层, 随机和多变量模型
	Respiratory disease outcomes 呼吸系统疾病结果	Design Groups meet: Revisit proposals addressing confounding and bias 设计小组会面: 再次探讨方案, 论证方案中的疑惑和偏颇
	Measures of association 关联措施	Building your research proposal: Sample Size and Power (CL) 构建你的研究方案: 抽样大小和对照
	Questionnaires 问卷	Work on proposals Develop analysis plan 方案执行: 形成分析计划
	Statistics 4 统计 4	Work on proposals Begin power calculations 方案执行: 假设检验
	Small groups: further work on protocols 小组讨论: 方案的后续执行	
Day 4	Sample size and power calculations 样本含量和假设检验	Research organization: Data Management, Data Analysis, Interpretation of Results (CL) 研究框架: 数据管理, 数据分析, 结果说明
	Sources of Error: Random, bias, confounding 误差种类: 随机, 偏性, 错误	Work on proposals 方案执行
	Ethics for Medical Research 医学研究的伦理问题	Studies of Diagnosis (WG) 诊断研究
	Practical aspects of research and funding 研究的实用价值与资金	Studies of Prognosis (SC) 预后研究
	Small groups: further work on protocols 小组讨论: 方案的后续执行	Work on proposals Complete study outline 方案执行: 完成研究大纲
Day 5	Randomized Controlled Trials 随机对照试验	Designing Clinical Trials (SC) 临床试验设计
	Secrets of academic success 学术成功的奥秘	Writing an Abstract (CL) 撰写摘要
	Small groups: practice presentations 小组讨论: 练习演示技能	Practice presentations 练习演示技能
		Presentations 文档演示

Application Form

Complete the Following

Personal Information

- a. Family Name (Surname): _____
- b. First Name (Given Name): _____
- c. Phone number (include country code): _____
- d. Email: _____
- e. Degree or certification (please check all that apply) and year obtained: _____ Year Obtained
- MD or equivalent medical degree _____
- Other doctoral degree (e.g., PhD, DSc) _____
- Masters degree (e.g., MPH, MA) _____
- Respiratory/Physical Therapy _____
- Nursing degree _____
- Other, please specify _____
- f. Employer/Institution Name: _____
- g. Employer/Institution Setting (please check all that apply):
- | | |
|--|--|
| <input type="checkbox"/> University affiliated clinic or teaching hospital | <input type="checkbox"/> Ministry of Health (national level) |
| <input type="checkbox"/> Public hospital (national level) | <input type="checkbox"/> Ministry of Health (state/province level) |
| <input type="checkbox"/> Public hospital (state/province level) | <input type="checkbox"/> Ministry of Health (local level) |
| <input type="checkbox"/> Private hospital | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> Private practice | |
- h. Area of (sub)specialty or interest (please check all that apply):
- Public Health
- General Internal Medicine
- Pediatrics
- Adult Pulmonary Disease
- Pediatric Pulmonary Disease
- Physical Medicine and Rehabilitation
- Allergy and Immunology
- Critical Care
- Geriatrics
- Infectious Diseases
- Neonatology
- Occupational Medicine
- Sleep Medicine
- Environmental Epidemiology
- Environmental Health
- Other, please specify

i. Please estimate the portion of your time currently devoted to research (select ONE answer):

- 0%
- <10%
- 10-29%
- 30-49%
- 50-69%
- ≥70%

j. The type of research experience or training that you have had (check all that apply):

- I have never participated in a research project
- I have learned about conducting research in school
- I have participated in a research project(s) as a member of a group/team
- I have led a research project(s) as a principal investigator
- Other, please specify

k. Attach passport photo to application (to aid identification of candidates to faculty and staff)

- Photo attached

l. T-shirt size (t-shirt given at the completion of course), circle one: S M L XL

Statements

Write a brief summary of the topics below.

- m. Describe your professional experience or appointments in the last five years and include all clinical or teaching duties within that time period.

- n. Describe where you work and your current duties at work (for example, you are a pulmonologist at a public hospital with the following clinical duties). If you work in more than one place describe all workplaces and duties.

- o. State one scientific, clinical, or operational problem you encounter at work and why it is important for you to solve it.

p. If you have made any research publications or presentations in any language, please list the publication/presentation (for example, write the title of presentation, authors, conference name, year).

q. Do you have an individual at your institution or place of work that you communicate with regularly, who is acting or can act as a research mentor after you complete the course? If so, please write his/her name.

Mentor or Advisor: _____

r. How would the MECOR Course help in your current or future positions?

Letter of Support

It is important that candidates have the support of their supervisors and institutions to attend the week-long course. Please give us the name and email address of such an individual so we may contact her/him **directly** to obtain a letter of support.

Name: _____

Email Address: _____

个人信息表

姓名: _____ 性别: _____ 出生年月: _____ 职称: _____ 职务: _____

工作单位: _____ 单位地址: _____

学历: _____ 毕业院校 (以最高学历为准): _____

毕业时间: _____ 电子邮箱: _____

联系电话: _____