COEH
Center for Occupational and Environmental Health

An Introduction for Students & Residents
Is it part of UC?

Yes. The Center for Occupational & Environmental Health is a UC teaching, research and service program.

Northern California: UCB, UCD, UCSF

UC Berkeley  
UC Davis  
UC San Francisco
Is it a Department?

No. COEH is an organization housed in multiple departments linking faculty and students in Public Health, Nursing, Medicine and Engineering.
Is it a Grant?

No. COEH is a permanent part of the University (budgeted at $2.8M). In 2003-04, COEH Faculty direct another $39M in Contracts and Grants.
Who is COEH?

Director: John Balmes, MD (UCSF/UCB)

1980: 15 faculty FTE funded plus support staff

Today: 60 affiliated faculty

John Balmes
Does COEH Have Students?

- **UCB:** Public Health and Engineering graduate students
- **UCD:** Epidemiology and Biological & Agricultural Engineering graduate students
- **UCSF:** Medical Fellows, residents and graduate students in Nursing
Do I Need to Apply?

Not to COEH.

- You must apply and be admitted to a graduate academic degree program, and

- Specialize in or conduct a project in occupational or environmental health (from the perspective of any discipline)
Where Are COEH Programs Located?

Berkeley
- Environmental Health
- Epidemiology
- Labor & Community Outreach
- Continuing Education

San Francisco
- Occup’l & Env’l Medicine
- Occup’l & Env’l Health Nursing
- Lung Biology Center

Davis
- Epidemiology
- Biological & Agricultural Engineering

Joint UCSF/UCB
- Ergonomics Program
COEH at Berkeley

22 Faculty in Public Health, Engineering and Psychology

SELECTED RESEARCH PROJECTS

Indoor Air Pollution & Acute Respiratory Infections in Children in the Developing World
(Kirk Smith)

Biomarkers of Exposure & Genotoxicity
(Martyn Smith)

Treatment of Tap Water for Elderly & HIV Positive Persons
(Jack Colford)

Responses of Asthmatic Children to Particulate Air Pollution
(Katharine Hammond, Ira Tager, John Balmes)
Health Effects of Arsenic (Allan Smith)

Effective Interventions to Prevent Schistosomiasis (Robert Spear)

Exposures to Farm worker Children in California (Brenda Eskenazi)

Environmental Factors in Childhood Leukemia (Patricia Buffler)

Combustion Emissions, Monitoring, and Interventions (Catherine Koshland)
COEH at San Francisco

20 Faculty in Occupational & Environmental Medicine and 7 faculty in O&EH Nursing

SELECTED RESEARCH PROJECTS

Adult Asthma (*Paul Blanc*)

Mechanisms of Lung Injury (*Dean Sheppard*)

Low Back Pain:
Physical/Psychological Job Factors (*Niklas Kraus*)
Ergonomic Intervention for Computer Work (David Rempel)

Animal model for Hand Arthritis (Karen King)

Workplace Violence Prevention (Marion Gillen)

Ergonomic Assessment Tools in Agriculture (Julia Faucett)

Environmental Tobacco Smoke and Asthma (Mark Eisner)

Particulates/Ozone and Asthma (John Balmes)
COEH at Davis...

13 Faculty in Epidemiology & Preventive Medicine, Veterinary Medicine and Biological & Agricultural Engineering
Selected Research Projects

Western Center for Agricultural Health & Safety
(*Marc Schenker*)

Environmental Factors and Autism
(*Irva Hertz-Picciotto*)

Ergonomic Design of Tools in Agriculture (*John Miles*)

Lung Injury (*Alan Buckpitt*)

Cost of Occupational Injury & Illness (*Paul Leigh*)
What Does COEH Offer Students & Residents?

Financial support

- NIOSH training grant
  (for IH, Ergo, Medicine & Nursing Students)

- Research Assistantships
  See list of currently funded research projects:
  http://coeh.berkeley.edu/Research/research.htm#current

- COEH Student Project Award
...What does COEH offer?

Interdisciplinary Research Projects

COEH faculty and students have joined forces to study respiratory health at New United Motors Manufacturing, Inc. in Fremont.
...What Does COEH Offer?

Clinic-based Training

Community Projects

Social/Scientific Gatherings
How can I Benefit from COEH?

- Receive NIOSH Traineeship
- Apply for a COEH project award (Fall proposal announcement)
- Identify faculty & students who share your interests
- Seek a research assistantship
- Take a Continuing Education course (Offered throughout the year)

Costa Rican agricultural workers wearing inhalable dust monitors to measure exposure levels to paraquat herbicide
...Taking Advantage of COEH

- Visit COEH’s Labor Occupational Health Program and get involved in a service project such as their *Young Worker Training & Resource Center*

- Participate in one of the clinics operated by COEH

- Attend the biannual COEH Get-Together

- Attend the COEH Annual Symposium
How do I Become Part of COEH?

If you are studying to prevent injury and illness resulting from workplace or community exposures, you are part of COEH.
How do I Learn More about COEH?

- Visit the web site:  
  http://coeh.berkeley.edu

- Read the COEH newsletter  
  Bridges