

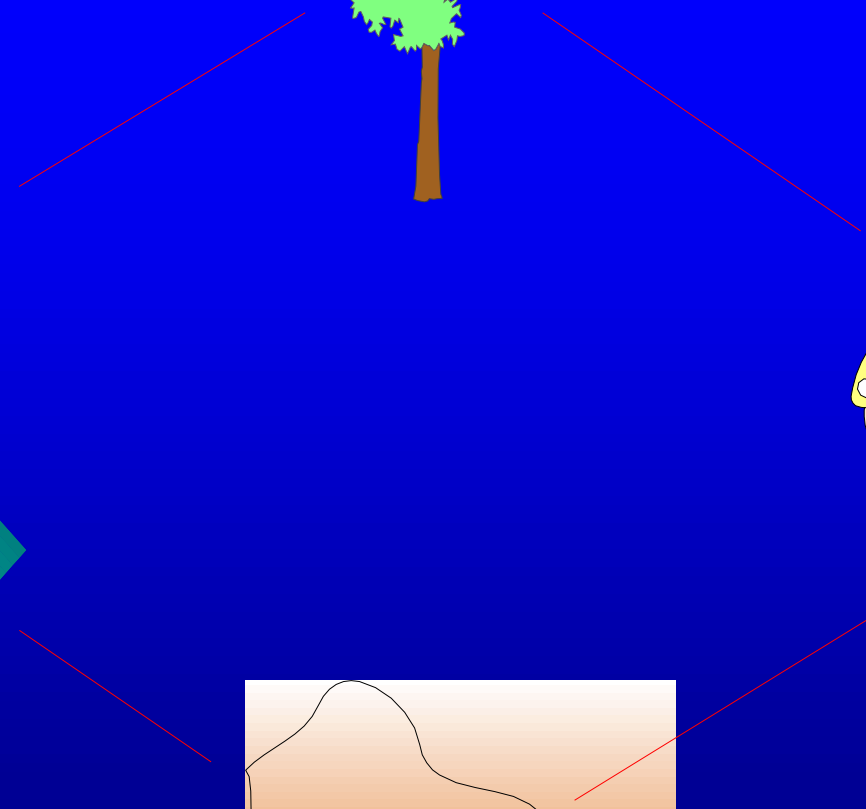
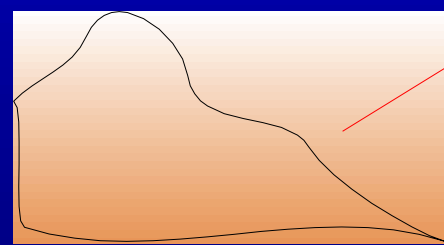
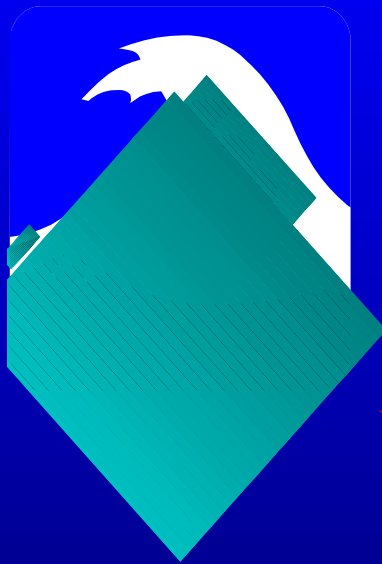
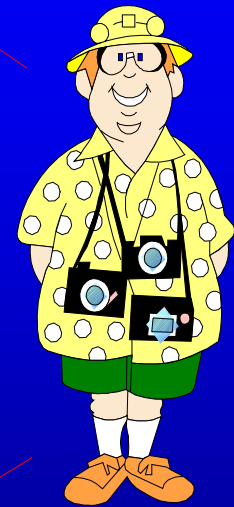
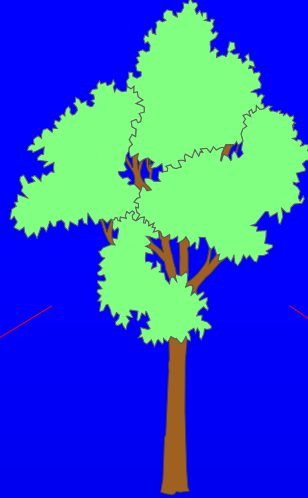
# ACGIH<sup>®</sup> Bioaerosols Committee

Paula Vance, SM (ASCP), SM (NRM)

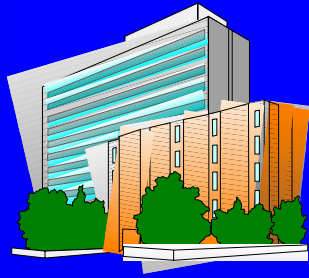
ACGIH<sup>®</sup> Bioaerosols Committee

# Committee Members

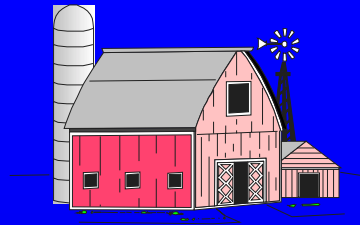
- Kenneth F. Martinez, MSEE CIH, Chair
- Jonathan Bernstein, MD
- Donald Milton, MD, DrPH
- Carol Rao, ScD, MS
- Stephen Reynolds, PhD, CIH
- Linda Stetzenbach, PhD
- Paula Vance, SM (ASCP), SM (NRM)



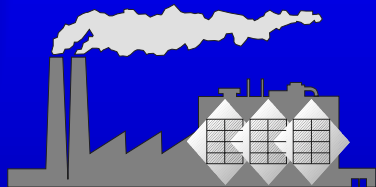
# Where



Indoor Environments



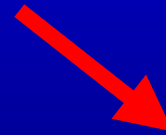
Agriculture



Biotechnology



Health Care



- Infectious Disease Outbreaks
- Bioterrorism

No Numeric Criteria for  
Interpreting  
Environmental  
Measurements!

# Why Not Scientifically Supportable?

## *Total Culturable or Countable Bioaerosols*

- Not a single entity
- Human responses cover wide range
- No single sampling method exists
- No exposure/response relationships exist

# Why Not Scientifically Supportable?

## *Specific Culturable or Countable Bioaerosols - other than infectious*

- Data are derived from indicators rather than actual effector agents
- Concentrations vary widely
- Low statistical power in cause-effect relationship studies

# Why Not Scientifically Supportable?

## *Infectious Culturable or Countable Bioaerosols*

- Dose-response data limited to a few agents
- Air sampling limited to research
- Administrative and engineering controls remain the primary defenses

# Why Not Scientifically Supportable?

## *Assayable biological contaminants*

- Some dose-response relationship data available
  - Experimental studies
  - Epidemiologic surveys
- Assay methods improving
- May be appropriate in the future

# 2005 Objectives

- Enhance ACGIH<sup>®</sup> website
  - [www.bioaerosols.org](http://www.bioaerosols.org)
- Explore options for “Mold Course”

# Future Directions?

- Recommendations of abandonment for exposure thresholds
- Symposium – guidance on data interpretation
- Update Bioaerosols book