

Microbiomes of the Built Environment: From Research to Application: Meeting 2

Understanding Microbial Communities in Built Environments

20 F Street Conference Center
20 F Street NW, Washington DC 20001
June 20-21, 2016

Monday, June 20

Light breakfast will be available

8:45am **Welcome and Introductions**

Joan Bennett, Committee Chair

Committee member introductions (name and affiliation)
Goals of the study and open sessions

9:00 **Opening Session: Perspectives on Microbial Interactions in Built Environments**

- **Jo Handelsman**, Office of Science and Technology Policy (invited)
- **Brent Stephens**, Illinois Institute of Technology
- Discussion

10:15 **Break**

10:30 **Public Engagement on the Implications of Built Environment Microbiomes**

How will the public engage in understanding built environment microbiomes and interact with the information that results from such studies? How is the public likely to respond to the implications, and can any lessons be derived from experiences with citizen science and risk assessment communication?

- **Lee Ann Kahlor**, University of Texas at Austin
- **Rob Dunn**, North Carolina State University (remote)
- Discussion

11:45 **Lunch**

1:00 **Linking Human Occupants and Built Environment Microbiomes**

What interactions occur between built environment microbiomes and human occupants, including human microbiomes? What are the consequences of these interactions?

- **Jack Gilbert**, University of Chicago
- **Elizabeth Grice**, University of Pennsylvania
- **Susan Lynch**, University of California, San Francisco
- **Gary Adamkiewicz**, Harvard School of Public Health

- **Donald Milton**, University of Maryland (remote)
- **Chuck Haas**, Drexel University
- **Joanne Sordillo**, Brigham and Women's Hospital and Harvard T.H. Chan School of Public Health
- **Discussion**

3:30 **Break**

3:45 **Parallel Breakout Discussions: What do we really need to know about built environment microbiomes in order to move toward application?**

(note: colored sticker on your nametag will denote your group)

Identify key questions that would need to be answered to understand the functions of microbiomes in built environments. What information would need to be obtained in order to move from basic microbiome research and characterization to application in building design and operation?

5:15 **Reconvene in Plenary - Recap of Day I and Preliminary Key Points Raised in Breakouts**

5:30 **Adjourn Day I**

6:00 **Dinner for committee, speakers and sponsors**

Art and Soul, 415 New Jersey Avenue NW, Washington DC 20001

Tuesday, June 21

Light breakfast will be available

8:30 **Welcome and Goals for Day 2**

8:45 **Reporting from Breakouts**

What questions does the field need to answer and what are the most critical types of information that need to be collected to answer these questions?

(1 rapporteur per group)

- Group A
- Group B
- Group C
- Discussion

9:45 **Break**

10:00 **Building Systems: Impacts and Characterization**

What do we know about various building systems, their relevant features, and links between building science and indoor microbial environments?

- **Andrew Persily**, NIST
- **Terry Brennan**, Camroden Associates
- **Dennis Stanke**, Trane Ingersoll Rand (retired)
- **Jeffrey Siegel**, University of Toronto

12:15 **Concluding Remarks**

12:30 **Public Meeting Adjourns**

1:00 **CLOSED SESSION - Committee Members and Academy Staff Only**

4:00 **Closed Session Adjourns**