

**The 4<sup>th</sup> CONFERENCE**  
**MICROBIOLOGY OF THE BUILT ENVIRONMENT**  
 July 15-18, 2015  
 The University of Colorado, Boulder  
**Conference Program**

<b>Wednesday, July 15<sup>th</sup></b>	
Designated Travel Day	
All Day	Hotel check-in at Boulder Marriott, 2660 Canyon Boulevard, Boulder, CO 80302
<b>12:00-6:00pm</b>	Conference registration desk open at Marriott
2:30-5:30pm	Poster and Networking Session in Marriott's Main Conference Room. Light Refreshments available.
6:15pm	Graduate Students/Post-Docs/Scientists meet in the lobby for guided dinner (short walk to restaurants). Sign-up for this activity at the registration desk.
6:15pm	PI's, co-PI's and invited speakers meet in the lobby for organized dinner (invitations and details sent by email).

<b>Thursday, July 16</b>	
Conference Day 1 – Marriott Conference Rooms	
Morning	Breakfast provided by Marriott for conference guests staying at hotel
8:50am	Welcome (back) address and Conference Overview: <b>Mark Hernandez</b> , University of Colorado Boulder <b>Paula Olsiewski</b> , SLOAN Foundation
<b>9:00-11:00am</b>	<b>Opening Plenaries</b>
9:00-9:45am	<b>Christopher Lowry, PhD</b> , Professor of Integrative Physiology, University of Colorado, <i>Old Friends: the Indoor Environment and the Hygiene Hypothesis. How Mycobacteria exposures add more pieces to an already complicated puzzle</i>
9:45-10:00am	Mid-morning Break
10:00-10:45am	<b>Maria Patricia Fabian, ScD</b> , Associate Research Professor of Public Health, Boston University, <i>Modeling building intervention impacts on indoor environmental quality, asthma occurrence, and costs</i>
10:45-11:00am	Late-morning Break

**Thursday, July 16th - continued**

Conference Day 1 - Marriott Conference Rooms

<b>11:00am -12:00pm</b>	<b>Platform Presentations from Recent MoBE Research Initiatives</b>
11:00 - 11:20 am	<b>Sarah Haig</b> , Univ. of Michigan, Environmental Engineering, <b>Raskin Lab</b> , <i>From Source to Tap: Linking the Drinking Water Microbiome to Human Health</i>
11:20 - 11:40 am	<b>Mytien Nguyen</b> , Cornell University, Biological and Environmental Engineering <b>Angenent Lab</b> , <i>Energy Conservation Effects on the Indoor Environment</i>
11:40am - 12:00 pm	<b>Kyria Boundy Mills and Roger Boulton</b> , University of California Davis, <b>Mills Lab</b> , <i>Environmental Monitoring in Commercial Wineries and Dairies</i>
<b>12:15-1:45 pm</b>	<b>Lunch - Short walk to the ZOLO Restaurant</b>
<b>2:00-4:00 pm</b>	<b>Platform Presentations from Established MoBE Research Initiatives</b>
2:00-2:20 pm	<b>Brent Stephens</b> , Illinois Institute of Technology - <i>Built environment data collection: updates on methods and sensors systems</i>
2:20-2:40 pm	<b>Sandra Dedesko and Jeff Siegel</b> , University of Toronto, <b>Siegel Lab</b> , “ <i>Surfaces, water, people: What can building science tell us about microbially relevant parameters?</i> ”
2:40-3:00 pm	<b>John Chase</b> , Northern Arizona University, <b>Caporaso Lab</b> , <i>The progression of microbiomes in commercial office environments</i>
3:00-3:20 pm	<b>JP Maestre and Atila Novoselac</b> , University of Texas at Austin, <b>Kinney Lab</b> , <i>Ventilation effects the Microbiome &amp; Air Quality in Portable Classrooms</i>
3:20- 3:40 pm	Mid-afternoon Break
3:40-4:00 pm	<b>Mitch Sogin</b> , Marine Biological Laboratory, Woods Hole – <i>Deep sequencing for describing wastewater communities</i>
4:00-4:20 pm	<b>Anne Madden</b> , University of Colorado, <b>Fierer Lab</b> - <i>Molecular mapping of arthropod distributions in homes across the USA.</i>
4:20-4:40 pm	<b>Cobus Visagie</b> , Agroalimentaire Canada, <b>Seifert Lab</b> - <i>The importance of incorporating Xerophily for biological modeling and observations</i>
4:40- 5:00pm	<b>Simon Lax</b> , Argonne National Lab, <b>Gilbert Lab</b> , <i>Colonization and Succession of Hospital-Associated Microbial Communities</i>
5:00-5:15 pm	Closing Remarks and Special Acknowledgements

**~ Evening Program ~**

5:45pm -9:30pm	<b>Offsite dinner: Flagstaff House Restaurant (business casual dress required).</b> Meet in the lobby. Shuttles depart at 5:45 pm & 6:15pm and return at 8:45 pm and 9:15pm.
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## Friday, July 17th

### Conference Day 2 - Marriott Conference Rooms

Morning	Breakfast provided by Marriott for conference guests staying at hotel
8:50am	Welcome and overview: <b>Alina Handorean</b> , University of Colorado at Boulder
<b>9:00-11:00am</b>	<b>Opening Plenaries and Updates from Associated Conferences</b>
9:00-9:15 am	<b>Martin Taubel</b> , Finnish National Institute for Health and Welfare, <i>A consensus of European practitioners' perspectives on the utility of molecular ecology for built environment investigations: a take-home from Healthy Buildings Europe</i>
9:15–9:45 am	<b>Bill Bahnfleth, Penn State</b> , <i>Before, During and After the new Research Agenda: If They Build It, Will THEY come?</i>
9:45-10:00am	Mid-morning Break
10:00-10:40am	<b>Norman Pace</b> , University of Colorado Boulder – <i>A Synthetic Retrospective: Recovering and Identifying Microbes Across our Built Environment</i>
10:40-11:00 am	Late-morning Break
<b>11:00am-12:15pm</b>	<b>Platform Presentations on Established MoBE Research Initiatives</b>
11:00-11:20am	<b>Rich Shaughnessy and Jordan Peccia</b> , Yale-Tulsa Consortium, <i>Impact of cleaning and ventilation on the indoor microbiome in Cherokee Nation homes</i>
11:20-11:50am	<b>Rachel Adams and Pawel Misztal</b> , BIMERC Consortium, Lawrence Berkeley Lab & University of California Berkeley – <i>Updates on characterizing sources for indoor bioaerosols and volatile chemical products</i>
11:50am-12:15pm	<b>Allen Goldstein, UC Berkeley</b> , <i>Contributions of Human Effluents to Indoor Air Composition.</i>
<b>12:15-1:45pm</b>	<b>Lunch On Site: Boulder Marriott Hotel</b>
<b>2:00-3:00pm</b>	<b>Practitioner and Agency Research Perspectives</b>
2:00- 2:30pm	<b>Anne Perring</b> , Associate Research Scientist, National Oceanic and Atmospheric Administration, Cooperative Institute for Research in Environmental Sciences, <i>Real-Time Optical Particle Recognition of Bioaerosol for Environmental Studies</i>
2:30-3:00pm	<b>Zeljko Jurjevic, Ph.D.</b> , Principal and Senior Mycologist, EMSL Analytical Inc., <i>Recovering and Identifying Rare Biosphere Fungi from Water Damaged Environments</i>
3:00-3:30pm	Mid-afternoon Break

**Friday, July 17<sup>th</sup> - continued**

3:30 – 3:55 pm	<b>Pan Ji</b> , Virginia Polytechnic and State University, <b>Pruden and Edwards Labs</b> , – <i>Beyond reconnaissance in the plumbing microbiome</i>
3:55 - 4:20pm	<b>Rob Knight &amp; Greg Caporaso</b> , NAU UCSD Bioinformatics Consortium, <i>UC San Diego and Northern Arizona University. Toward self-documentation: customizable microbiome and meta-analyses with Scikit Bio, QIIME2 and QIITA</i>
4:20 – 4:45 pm	<b>Erica Hartmann</b> , BIOBE, University of Oregon, <b>Green Labs</b> , <i>Prevalence of antimicrobials in dust and their impact on the indoor microbiome</i>

**4:45 – 5:00 pm**                      **Carlos Rodriguez, Closing Remarks**

*Dinner - on your own*

**Saturday, July 18th**

Built Environment Scientists Jamboree, the University of Colorado Mountain Research Station  
at Nederland, Colorado (challenging and lesser challenging hikes led by locals)  
followed by Casual Dinner  
Transportation Provided to and From Nederland for those staying for the  
Healthy Buildings America Conference

Morning	Breakfast provided by Marriott for conference guests staying at hotel
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**\*\*\* Reimbursement forms and instructions will be sent via E-mail \*\*\***