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Human Health and Environmental Exposures During a Pandemic

Jack Gilbert, PhD

Professor

University of California San Diego

August 30, 2021, 3:30-4:30

Zoom Link:

<https://zoom.us/j/92089891552?pwd=SE1DQ3dGanN2SjRyZkdOU082RmQ5UT09>

Meeting ID: 920 8989 1552

Passcode: 334629



Session Description: The microbiology, including bacteria and fungi, of our built environment can have significant influences on our health in myriad ways, from disease burden to health promotion. However, we are only just starting to characterize many of these mechanisms. Through detailed investigation of the bacteria and fungi that inhabit our homes, hospitals, offices and the environment around us, we have built up a global map that can be used to discover novel ways of manipulating these microbial communities to promote human health and reduce disease.

Presenter:

Professor Jack A Gilbert earned his Ph.D. from Unilever and Nottingham University, UK in 2002, and received his postdoctoral training at Queens University, Canada. From 2005-2010 he was a senior scientist at Plymouth Marine Laboratory, UK. From 2010-2018 he was Group Leader for Microbial Ecology at Argonne National Laboratory, Professor of Surgery, and Director of The Microbiome Center at University of Chicago. In 2019 he moved to University of California San Diego, where he is a Professor in Pediatrics and Scripps Institution of Oceanography. He cofounded the Earth Microbiome Project, American Gut Project, has authored more than 300 peer reviewed publications, and is the founding Editor in Chief of mSystems journal. Dr. Gilbert uses molecular analysis to test fundamental hypotheses in microbial ecology. He has also set up core molecular laboratories at Argonne National Laboratory, University of Chicago and UCSD, as well as running his own molecular genomics laboratory at all 3 locations.