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International Society for Microbial Ecology Journal

Long-term effects of timber harvesting on hemicellulolytic microbial populations in coniferous forest soils

MOHN LAB
Dept. of Microbiology & Immunology
Hilary Leung, Kendra Maas, Roland Wilhelm, and William Mohn
ISME J. 10(2): 363-75 (2016)



Using Stable-isotope probing, this work identifies novel hemicellulolytic bacterial and fungal populations and characterizes their long-term response to timber harvesting.

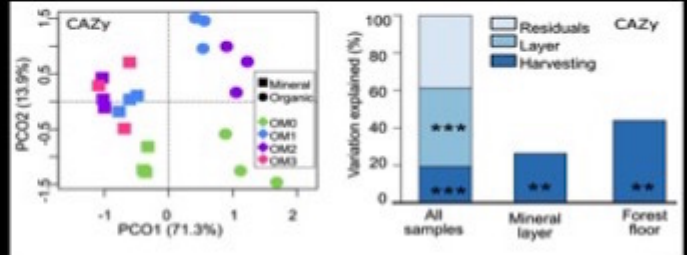
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Department of Microbiology and Immunology

MICROBIAL ECOLOGY

Forest harvesting reduces the soil metagenomic potential for biomass decomposition

MOHN LAB
Dept. of Microbiology & Immunology
Erick Cardenas, Marty Kranabetter, Graeme Hope, Kendra Maas, Steven Hallam and William Mohn
ISME J. 9:2465-2476 (2015)
published online 24 April 2015
doi:10.1038/ismej.2015.57



This work models the long-term effects of forest harvesting on the cycling of carbohydrates and lignin by soil organisms.



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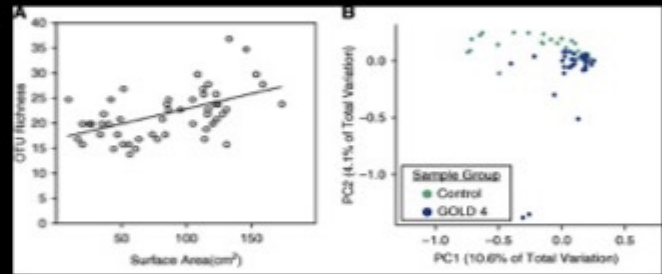
"Blue" Journal

Host response to the lung microbiome in chronic obstructive pulmonary disease

Mohn Lab

Dept. of Microbiology & Immunology

Sze M, Dimitriu PA, ... Mohn WW, Hogg JC
(2015) Am J Respir Crit Care Med 192:
438-45



We integrated data on the lung tissue microbiome, micro-computed tomography, inflammatory cells, and host gene expression to describe novel associations between the lung microbiome and the pathogenesis of chronic obstructive pulmonary disease