



**HAL**  
open science

## A tale of two stories from the underground: soil microbial diversity and N cycling

Laurent Philippot

► **To cite this version:**

Laurent Philippot. A tale of two stories from the underground: soil microbial diversity and N cycling. 16. International Symposium on Microbial Ecology - ISME16, International Society for Microbial Ecology (ISME). INT., Aug 2016, Montreal, Canada. hal-02739679

**HAL Id: hal-02739679**

**<https://hal.inrae.fr/hal-02739679>**

Submitted on 2 Jun 2020

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

1330 - 1530

ROOM 710B

## AS15.1 - Soil microbial ecology

Chairs: **Vanessa Bailey**, PNNL, United States**Etienne Yergeau**, INRS - Institut Armand-Frappier, Canada

1330 Invited

*Integration of soil metagenomic and chemical data to identify microbial processes altered by simulated climate change after an 18-year soil transplant*

Vanessa Bailey, Pacific Northwest National Laboratory, United States

1400 Invited

*A tale of two stories from the underground: soil microbial diversity and N cycling*

Laurent Philippot, INRA, UMR Agroecology, Dijon, France

1430

*Protozoa as drivers for soil disease suppressiveness*

Ida Karlsson\*, Ameni Bahroun, Zhilei Gao, Alexandre Jousset [Utrecht University, the Netherlands]

1445 *Large scale enhancement of soil microbiome functionality consistently improves soil-born disease suppression*

Qirong Shen\*, Zhong Wei, Yangchun Xu, Ruifu Zhang, Rong Li, Qiwei Huang, Biao Shen, Ning Ling, Nan Zhang, Wei Ran [Nanjing Agricultural University, China]

1500

*Cooperation in carbon source degradation shapes spatial self-organization of surface-attached microbial consortia*

Robin Tecon\*, Dani Or [ETH Zurich, Switzerland]

1515 *Pesticide application drives microbial community composition, activity and migration in soil*

Maaike van Agtmaal\*, Shorok Mombrikotb, Rob Griffiths, Thomas Bell [Imperial College London, United Kingdom]

1530 - 1730

POSTER  
HALL  
ROOM 220POSTER SESSIONS  
- MEET THE AUTHORS

PS08 Cutting-edge methods in microbial ecology

030B - 088B

PS09 Mechanistic understanding of the human and mammalian

microbiome

089B - 134B

PS10 Microbial eukaryotes

177B - 205B

PS11 Microbial cycling of one carbon compounds

159B - 176B

PS12 Cultivating elusive microbes

016B - 029B

PS13 Archaea: ecophysiology and evolution

001B - 015B

PS14 Symbiotic associations: evolutionary mergers and acquisitions

482B - 538B

PS15 Soil microbial ecology

244B - 463B

PS25 Metal cycling

135B - 158B

PS26 Polar microbial ecology

206B - 243B

PS28 Sulfur links in Earth's microbiomes

464B - 481B

**For full listing please see the abstract book provided on USB and the poster list provided via e-mail.**