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

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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]

POSTER 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.