

Programme

OrgN2020

2-6th February 2020

Sunday, February 2, 2020

17:00 - 18:00		Apéro - welcome reception
18:00 - 18:10	Doris Rentsch	Welcome by organizers
18:10 - 19:00	Michael Udvardi	A research road map to increase nitrogen efficiency in agriculture
19:00 - 20:30	Dinner	

Monday, February 3, 2020

08:30 - 08:45		CSF welcome address by Irene Schmidli CSF
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Session I: OrgN presence and availability in soils (Chair: Anne Marmagne)

08:45 - 09:30	Sandra Jämtgård	A root experience – What influences plant (O)N availability in soil?
09:30 - 10:00	David D. Myrold	Protein degradation in soils
10:00 - 10:30	Coffee	
10:30 - 11:00	Shun Hasegawa	The impacts of long-term nitrogen addition on chemical composition of soil organic matters in a boreal forest
11:00 - 11:30	Charles Warren	Pools and fluxes of organic N in soils
11:30 - 12:00	Scott Buckley	<i>In situ</i> perspectives of microbial activity and plant N availability
12:30 - 14:00	Lunch	

Session II: Uptake from the rhizosphere (Chair: Regina Gratz)

14:00 - 14:45	Mary Firestone	A root runs through it
14:45 - 15:15	Judy Simon	The role of organic N sources in tree-tree interactions as a consequence of climate change and invasive species
15:15 - 15:45	Coffee	
15:45 - 16:15	Astrid Fastner	Regulation of amino acid uptake in Arabidopsis
16:15 - 16:30		Speed talks
16:30 - 17:30		Poster session
19:00 - 20:30	Dinner	

Tuesday, February 3, 2020

Session III: OrgN metabolism and transport to storage organs

(Chair: Gabriel Krouk)

8:30 - 9:15	Marie Barberon	Plasticity of root permeability for nutrient acquisition
9:15 - 10:00	Céline Masclaux-Daubresse	Autophagy in N management at the whole plant level
10:00 - 10:30	Coffee	
10:30 - 11:00	Julia Karmann	UmamiT proteins expressed in vegetative tissues are involved in amino acid cycling
11:00 - 11:30	Vithya Krishnan	Effect of organic and inorganic N sources on the growth and traits of Australian tropical tree seedlings
12:00 - 13:30	Lunch	
14:00 - 17:30	Excursion: Locarno	
18:00 - 22:00	Dinner in local Grotto «Al Ritrovo»	

Wednesday, February 5, 2020

8:30 - 10:00 **Guided tour of Monte Verità**

Session IV: Regulatory networks (Chair: Ulrich Hammes)

10:00 - 10:15 **Coffee**

10:15 - 11:00 Sandrine Ruffel Regulatory network behind systemic N signaling,
in *Arabidopsis*

11:00 - 11:30 Chao Bian Engineering a regulatory circuit for improved N
metabolism

12:00 - 13:30 **Lunch**

14:00 - 14:15 Torgny Näsholm Introduction chair

14:15 - 15:15 Workshop - Open questions

15:15 - 15:45 **Coffee**

15:45 - 17:30 Workshop - Round table discussions

17:30 - 18:30 Summary workshop

19:00 - 20:30 **Dinner**

Thursday, February 6, 2020

Session V: OrgN in agriculture (Chair: Marcus Schortemeyer)

08:30 - 09:15 Malcolm J. Hawkesford High throughput technologies for monitoring crop growth and canopy N status in the field

09:15 - 09:45 Susanne Schmidt Understanding N processes in subtropical forest to boost N efficiency in agriculture

09:45 - 10:15 Taleta Bailey Optimising soil sampling to account for plant-available organic N

10:15 - 10:45 Coffee

10:45 - 11:15 Nicole Robinson Summary

11:15 - 11:30 Panel discussion

11:30 - 11:45 CSF award and concluding remarks

12:00 - 13:00 Lunch

Individual departure