

Successful Plant Modelling and Phenotyping for the Nordic Countries – What is Needed?

3rd NordPlant annual meeting, 25-26 November, 2021

Venue: The UiT campus in Tromsø, in the following lecture halls:

Thursday: TEO-H1 Auditorium 2

Friday: TEO-H6 Auditorium 3

Zoom: See the individual events.

There is an easy map for finding these auditoriums at the campus here:

<https://uit.no/campustromso>

The campus is located about 6 km from the city center. Buses leave to campus from the city center, for instance 20, 21 and 34 (from Fredrik Langes gate)

Last updated: 2021-11-22

Information and registration at www.nordplant.org or here		Venue: Tromsø, Norway
Time	Activity	Speaker
22-24 November	Mini-course: Novel Imaging Methods in Plant Stress Research	Contact laura.jaakola@uit.no to register.
Wednesday 24 November		
15:00-17:00	Meeting of the NordPlant common data standards group	Venue: Zoom (https://slu-se.zoom.us/j/63286661034 , passcode 785379) or physically at Scandic Ishavshotel, meeting room Nord-Norge (Fredrik Langes gate 2, 9008 Tromsø).
Thursday 25 November		
9:30-10:00	Virtual tour of the ClimaLab	Venue: Zoom (https://slu-se.zoom.us/j/66856612722 , passcode 602248)
10:00-11.30	NordPlant facility managers' forum	
12:00	Lunch and registration	
	Theme 1: What is needed for a strong Nordic phenotyping community	Venue: UiT campus, TEO-H1 Auditorium 2 or Zoom, https://uit.zoom.us/j/64789002638
13:00-13:10	Welcome	Erik Alexandersson, coordinator NordPlant/SLU
13:10-13:40	Epigenetic variation in Arabidopsis	Magnus Nordborg, Gregor Mendel Institute, Austrian Academy of Sciences
13:40-14:05	Arctic Carbon Storage from Biomes (ABSORB-project) – establishing	Katja Karppinen, UiT/Markku Keinänen, UEF

	imaging and phenotyping of Arctic biomass in UiT	
14:05-14:25	Automatic Tree Phenotyping at Umeå Plant Science Centre	Ove Nilsson, SLU
14:25-15:00	Coffee	
15:00-15:30	Plant phenotyping – the return of plant physiology? Are we missing something?	Eva Rosenqvist, UCPH
15:30-15:55	Implementing an ontology-driven information system to support a joint data standard for Plant Phenotyping in the Nordic countries	Jesper Cairo Westergaard, UCPH; Tatu Polvinen, UHEL
16.00-17.00	Tech corner and poster session	Participating companies and poster presenters
17.00-17.30	Panel discussion: Successful Plant Modelling and Phenotyping for the Nordic Countries – What is Needed?	Eva Rosenqvist, Jørgen A. B. Mølmann, Markku Keinänen, Odd Arne Rognli, Ove Nilsson, Rick van de Zedde
17:30-17:45	Comparison of macroscopic and microscopic phenotyping of powdery mildew-infected barley	Chandana Pandey, UCPH
17:45-18:00	Profiling of BABA- and phosphite-induced potato plants using two Nordic high-throughput phenotyping facilities and enzymatic activity profiling	Murilo Araujo Sandroni, SLU
19.00	Dinner	
	Friday 26 November	
	Theme 2: Phenotyping and modelling in the Nordic countries	Venue: UiT campus, TEO-H6 Auditorium 3 or Zoom, https://uit.zoom.us/j/64789002638
8:30-9:00	Influence of Arctic light conditions on crop production and quality	Jørgen A. B. Mølmann, NIBIO
9:00-9:30	Assessment of wild blueberry phenotype, phenology, and berry yield using unmanned aerial vehicle systems	David Percival, Dalhousie University, Canada
9:30-10:00	Coffee	
10:00-10:15	Computer vision for crop disease recognition and quantification	Junfeng Gao, University of Lincoln
10:15-10:30	American cranberries under Nordic light	Susanna Simovaara, UHEL
10:30-11:00	Netherlands Plant Eco-phenotyping Centre (NPEC) - Measuring and understanding plants to improve performances	Rick van de Zedde, WUR
13:00-15:00	Internal NordPlant steering committee meeting	Internal