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

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

Venue: Tromsø, Norway

Last updated: 2021-06-09

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**	
	Wednesday 24 November	
15:00-18:00	Meeting of the NordPlant common data standards group	
	Thursday 25 November	
9:00-12:00	NordPlant facility managers' forum, including study visit at ClimaLab	
12:00	Lunch and registration	
	Theme 1: What is needed for a strong Nordic phenotyping community	
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	**A**rctic Car**b**on **S**tor**a**ge from **B**iomes (**ABSORB**-project) – establishing imaging and phenotyping of Arctic biomass in UiT	Katja Karppinen, UiT/Markku Keinänen, UEF
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
16.00-16.45	Panel discussion: Successful Plant Modelling and Phenotyping for the Nordic Countries – What is Needed?	TBA

16:45-17:00	Comparison of macroscopic and microscopic phenotyping of powdery mildew-infected barley	Chandana Pandey, UCPH
17:00-17:15	Profiling of BABA- and phosphite-induced potato plants using two Nordic high-throughput phenotyping facilities and enzymatic activity profiling	Murilo Araujo Sandroni, SLU
17:15-18:30	Poster session with snacks	
19.00	Dinner	
	Friday 26 November	
	Theme 2: Phenotyping and modelling in the Nordic countries	
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
11:00-	Site visit - TBA	
13:00-15:00	Internal NordPlant steering committee meeting	Internal