

Nordic Network for Polyploid Trees (POLYTREE) Workshop

Copenhagen, June 13-15 2022

Program as of May 31, 2022 – changes are likely to occur

Date	Time	Speaker	Title
Monday June 13	9:00	Organizers	Welcome and introduction
	9:30	Martin Lascoux, University of Uppsala	<i>Keynote:</i> Genomic and transcriptomic evolution of a recent allopolyploid species. Evolution in <i>Capsella</i> : Transcriptomic, genomic and other shocks?
	10:30	<i>Break</i>	
	11:00	Kesara Margrét Jónsson, University of Iceland	Holocene birch hybridization in Iceland coinciding with periods of climate warming
	11:30	Kaisa P. Nieminen, University of Helsinki	Polyploid birches: Genetic resource for tree architecture
	12:00	<i>Lunch</i>	
	Afternoon session		
	13:00	Network members	<i>Review talk 1:</i> Introduction: Why are trees and polyploidy important and what is the natural occurrence of polyploidy trees? (15 min. talk, followed by discussion)
	13:45	Anders Ræbild	Visit to polyploid woody plant in greenhouses at Rolighedsvej 23
	14:30	Network members	<i>Review talk 2:</i> Use of polyploids in forestry and the implication of polyploidy for breeding
	15:15	<i>Break</i>	

	15:30	Network members	<i>Review talk 3: The anatomy, morphology, and physiology of polyploidy trees</i>
	16:15		Concluding remarks
	16:30		End of day
Tuesday June 15	9:00	Martina Stromvik, McGill University	Keynote: Building a pan-genome with diverse taxa of varying ploidy
	10:00	<i>Break</i>	
	10:30	Yves Van De Peer, Ghent University	<i>Keynote: Evolutionary role and impact of whole genome duplication and polyploidy (title to be confirmed)</i>
	11:30	Jarkko T. Salojärvi, University of Helsinki	Genome evolution and breeding history of an allopolyploid <i>Coffea arabica</i>
	12:00	Lunch	
	Afternoon session		
	13:00	Anders Ræbild, University of Copenhagen, and Anna Jensen, Linnæus University	Relationships between anatomy and photosynthesis in a ploidal series of <i>Acacia senegal</i>
	13:45	Anders Ræbild	Visit to Campus park "Landbohøjskolens Have"
	14:45	<i>Break</i>	
	15:00	Network members	Review talk 4: Molecular physiology, gene expression, and genomics of polyploid trees
	Evening		Dinner (venue to be announced later)
Wednesday June 15	9:00	Barry Lomax, University of Nottingham	Keynote: Paleo CO ₂ -concentrations, stomata and genome size <i>(title to be confirmed)</i>
	10:00	Anna-Catharina Röper, Technological Institute Denmark	Commercial usage of polyploidy
	10:30	<i>Break</i>	
	11:00		Discussion: Prospects for collaboration / new projects
	12:00	Lunch	

	Afternoon session		
	13:00	Network members	Review talk 5: Perspectives, concluding remarks, open questions
	13:45	Anders Ræbild with network members	Business meeting of the network
	14:30	<i>Closing of workshop</i>	Final words, coffee and goodbye