

NovoCrops PhD Summer School 2022
Biotechnological Advances for Future Crop Production
 University of Copenhagen, Frederiksberg Campus (Thorvaldsensvej 40, 1871 Frederiksberg C, Denmark)

	Monday (15 Aug)	Tuesday (16 Aug)	Wednesday (17 Aug)	Thursday (18 Aug)	Friday (19 Aug)
9.00-10.00	Welcome and personal introductions	<i>Poster preparation</i> Peer-feedback (Elizabeth Neilson, KU)	<i>Genetics and genomics</i> Structure and comparative genome analysis (Nils Stein, IPK)	NNF Symposium Crop Improvement in the Gene-Editing Era at DGI Byen Tietgensgade 65, 1704 København V (including dinner)	<i>New breeding technologies</i> Multiplex gene editing via RNPs (Magdalena Klimek-Chodacka, KR)
10.00-11.00	Domestication and accelerated domestication (Michael Palmgren, KU)	<i>Poster preparation</i> Peer-feedback (Elizabeth Neilson, KU) <u>Poster file hand-in at 11:00</u>	<i>Practical examples</i> Unlocking the genomic diversity of barley (Nils Stein, IPK)		<i>Intellectual property rights</i> Modern crop improvement & IPR (Høiberg)
11.00-12.00	<i>Genetic resources</i> Wild relatives & landraces (Hans Thordal-Christensen, KU)	<i>Genetics & genomics</i> Mapping of agronomic traits (Stig U. Andersen, AU)	<i>New breeding technologies</i> Transformation of wild and semi-domesticated crops (Guangbin Luo, KU)		<i>Regulations & societal acceptance</i> Gene editing and GM regulations (Rosa Lopez-Marques, KU) Wrap-up and evaluation
	Lunch	Lunch	Lunch		Lunch and farewell
13.00-14.00	<i>Genetic resources</i> Mutant populations (Toni Wendt, Carlsberg)	<i>Practical examples</i> Genetic improvement of faba bean (Stig U. Andersen, AU)	<i>Poster preparation</i> Practicing the poster pitches (Elizabeth Neilson, KU)		Teacher affiliations: AU: Aarhus University Carlsberg: Traitomic, Commercial Unit of the Carlsberg Research Laboratory Høiberg: Høiberg European Patent Attorneys IPK: Leibniz Institute of Plant Genetics and Crop Plant Research KR: University of Agriculture in Krakow, KU: University of Copenhagen UM: University of Minnesota WU: Washington University in St. Louis
14.00-15.00	<i>Poster preparation</i> Introduction to a good poster (Elizabeth Neilson, KU)	<i>Genetics & genomics</i> Evolutionary biology for modern crop improvement (Kenneth Olsen, WU)	<i>New breeding technologies</i> Targeted modification of plant genomes (Guangbin Luo, KU)		
15.00-16.00	<i>NovoCrops examples</i> Kim Hebelstrup, AU Stephan Wenkel, KU Henrik Brinch-Pedersen, KU	<i>Practical examples</i> Evolutionary genomics of wild rice (Kenneth Olsen, WU)	<i>New breeding technologies</i> Advances in CRISPR/Cas9-based gene editing (Dan Voytas, UM)		
16.00-17.00	Fernando Geu-Flores, KU (ends ca. 16:30)				
Evening		Social event at Reffen Copenhagen Street Food			