

Institut für Pflanzenbau und Pflanzenzüchtung

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## Recent progress in plant breeding and genome research (agrigo18)

### Plant breeding research and crop genome analysis

Winter semester 2020/2021

Time: Tuesday, 15.15 – 16.45

Location: Online

03.11.2020	Johanna Leineweber	<b>Master thesis:</b> Functional analysis of candidate gene for cyst nematode resistance in Arabidopsis
	Prasath Balaji Sivaprakasam Padmanaban	<b>Master thesis:</b> Quantitative trait locus analysis for wheat pollen traits under field condition
10.11.2020	Dr. Tahmina Islam	Improving oilseed rape by Cas9-mediated genome editing (OILCAS)
17.11.2020	Srijan Jhingan	Functional analysis and mutagenesis of glucosinolate synthesis genes for breeding oilseed rape ( <i>B. napus</i> ) with lower glucosinolate content
24.11.2020	Avneesh Kumar	Bioinformatics analysis of a wild beet translocation in sugar beet carrying the <i>Hs1-2</i> gene for nematode resistance
01.12.2020	Madita Lauterberg	<b>Master thesis:</b> Precision phenotyping for root and shoot development under contrasting water regimes to characterize wild emmer ( <i>Triticum turgidum</i> ssp. <i>dicoccoides</i> ) QTL that improve grain yield under drought in durum ( <i>T. turgidum</i> ssp. <i>durum</i> ) and bread wheat ( <i>T. aestivum</i> )
	Yixin Cui	Functional analysis of seed oil metabolism candidate genes in rapeseed
08.12.2020	Tara Phillips	<b>Master thesis:</b> Virus resistance gene pyramidation and its effect on winter barley
	Dilan Sarange	Unraveling genetic mechanisms of flowering time control in quinoa
15.12.2020	Nathaly Maldonado	Identification of agronomically important QTL in quinoa and their application in practical quinoa breeding
<b>17.12.2020 Thursday at 15.00</b>	Amar Singh Dhiman	Genetic analysis of <i>cercospora</i> leaf spot resistance in the species of genus <i>Beta</i>
05.01.2021	Federico Barbier	<b>Master thesis:</b> Identification of QTL for flowering time in a F3 population of quinoa ( <i>Chenopodium quinoa</i> )
	Tasnim Zerín	<b>Master thesis:</b> CRISPR-Cas9 editing of flowering time genes in <i>Brassica napus</i> (L.)
<b>13.01.2021 Wednesday</b>	Sarah Matar	Investigations on the molecular mechanisms underlying transition to flowering in winter-rapeseed cultivar ( <i>Brassica napus</i> )
19.01.2021	Ehsan Fatemi	Molecular investigations of root lesion nematode resistance in cereals
26.01.2021	Kea Ille	Flowering time analysis and targeted gene editing in sugar beet by CRISPR/Cas9
02.02.2021	Florence Muraya	<b>Master thesis:</b> Localisation of a Hs4 Protease by overexpression and promoter gene fusions in <i>Beta vulgaris</i> and <i>Arabidopsis thaliana</i>
	Annika Schildberg	<b>Master thesis:</b> Overexpression and promoter studies of <i>SUPPRESSOR OF OVEREXPRESSION OF CONSTANS1</i> ( <i>BnSOC1A05</i> ) in <i>Brassica napus</i> and <i>Arabidopsis thaliana</i>

Guests are welcome!

Prof. Dr. Christian Jung and Dr. Nirosha L. Karunarathna

15.10.2020