





# Programme

#### Monday 25th June 2018

#### **Session 1 Dalhousie Building University of Dundee**

09:00	Arrival and Welcome - Robbie Waugh	
Session 1	Chair	Robbie Waugh
09:10	Takao Komatsuda	Super-open flowering 1 mutant generated by chronic irradiation by gamma ray to wild barley'
09:35	Mingjiu Li	Genetic characterization of the albostrians barley provides new insights on underlying mechanism of leaf variegation
10:00	Nils Stein	HvRaw1 – a major gene controlling trichome formation on barley awns
10:25		Coffee and Posters
Session 2	Chair	Rachel Burton
10:45	Moritz Jost	Identification and characterisation of barley broad leaf mutants and the affected genes
11:10	Guillermina Mendiondo	The Cys-Arg/N-End Rule Pathway Is a General Sensor of Abiotic Stress in barley
11:35	Kay Trafford	Lys3 encodes a DOF transcription factor required for embryo-size determination in barley.
12:00	Ravi Koppolu	Genetic regulation of lateral spikelet size in barley
12:25		Lunch and Posters
Session 3	Chair	Christoph Dockter
13:25	Laura Rossini	Hunting genes for barley shoot architecture through mutant and germplasm collections
13:50	Gary Muehlbauer	Are tiller and leaf development controlled by the same genetic modules?
14:15	Martin Mascher	Mutation identification by direct comparison of whole-genome sequencing data of mutant and wild type individuals
14:40	Agatha Walla	Functional characterisation of high tillering mutants in barley
15:05		Coffee and Posters
Session 4	Chair	Nils Stein
15:25	Sarah McKim	VRS3 encodes a chromatin state regulator represses lateral spikelet fertility and modifies the function of other row-type genes
15:50	Brian Steffenson	Characterization of leaf rust resistance genes and their introgression into Bowman barley
16:15	Zoe Wilson	Environmentally sensitive control of male fertility in barley
16:40	Ivan Acosta	Molecular mechanisms of anther opening in barley
17:15		Poster session, refreshments and canapes



















### Tuesday 26th June 2018

## **Session 2 Dalhousie Building University of Dundee**

09:00	Arrival	
Session 5	Chair	Laura Rossini
09:10	Thorsten Schnurbusch	Gene networks for functional gene identification during barley spike development
09:35	Wilma van Esse	Changing plant architecture to improve crop yield
10:00	Chiara Campoli	Walking a Waxy Path: Molecular Characterisation of Barley Eceriferum-yy
10:25		Coffee and Posters
Session 6	Chair	Zoe Wilson
10:45	Claire Halpin	Understanding cell wall biosynthesis and properties in barley
11:10	Matt Tucker	The use of natural variation to identify genes controlling differentiation during ovule and seed development in barley
11:35	Monika Spiller	Improving crops biomass by uncovering the circadian clock network using dynamical models
12:00	Thirulogachandar Venkatasubbu	Dosage of duplicated and antifunctionalized homeobox proteins influences leaf and spikelet development in barley
12:25		Lunch and Posters
Session 7	Chair	Sarah McKim
13:25	Stephen Jobling	Breeding barley grains with improved nutrition and health benefits
13:50	Kelly Houston	Genome editing using CRISPR-Cas9: generating mutants to characterise putative cell wall genes
14:15	Ilka Braumann	QTL-mapping combined with whole genome resequencing identifies induced variation associated with improved starch quality
14:40	Silvio Salvi	Cloning root mutants in barley
15:05		Coffee and Posters
Session 8	Chair	Gary Muehlbauer
15:25	Isabelle Colas	Using Barley mutants to understand meiosis and recombination in cereals
15:50	Damian Gruszka	Semi-dwarf barley mutants defective in the brassinosteroid metabolism
16:15	Agata Daszkowska-Golec	Mutations in barley genes encoding negative regulators of ABA signaling as a promise for drought-resistant crops
16:40	Seth Davis	The barley circadian clock is profoundly different than Arabidopsis
17:05		End of Session and Buses to James Hutton Institute
17:30		Hog Roast, Germplasm Tour and Prize Giving
20:30		Buses Return to City Centre Hotels
Wednesd	ay 27th June 2018	Session 3 Dalhousie Building University of Dundee
09:00		Natural and Induced Variation: what next? Facilitated by Robbie Waugh
10:30		Coffee



11:15

19:00





**Optional Tour** 



Buses Return to City Centre Hotels from Optional Tour









