MAGIC 2019

TUESDAY 23rd July

09:00-09:20	**Welcome**	
09:20-10:00	Ian Mackay	Multiparental populations: beyond trait mapping
10:00-10:40	R K Singh	Genesis of rice MAGIC populations at IRRI and their utilization in various programs
10:40-11:10	**Coffee**	
11:10-11:30	Mahendar Thudi	Sequencing and association analysis in chickpea MAGIC population
11:30-11:45	Manish Roorkiwal	Chickpea germplasm resequencing
11:45-12:00	Bharadwaj Chellapilla	Genomics assisted breeding in chickpea at IARI
12:00-12:15	Srinivasan Samineni	Chickpea breeding research at ICRISAT
12:15-12:30	N P Singh	Chickpea improvement – a success story in India
12:30-13:30	**Lunch**	
13:30-14:10	Richard Mott	MAGIC genomes
14:10-14:50	Martin Boer	RABBIT: Reconstruction of Ancestral Blocks BIT by bit
14:50-15:20	**Coffee**	
15:20-15:40	Karl Broman	QTL mapping in MAGIC populations with R/qtl2
15:40-16:00	Funmi Ladejobi	Rice 'heat MAGIC' mapping
16:00-16:40	James Cockram & Keith Gardner	NIAB MAGIC elite wheat population: overview and mapping results
16:40-17:00	Michael Scott	Genetic resources for the sixteen-founder NIAB diverse MAGIC wheat population
17:00-18:00	**Tour of NIAB Innovation Farm**	
18:00-19:30	**BBQ Dinner**	

WEDNESDAY 24th July

09:00-09:40	Donal O'Sullivan	Genetic networks controlling source, sink and drought stress responses revealed using the elite wheat MAGIC population
09:40-10:20	Jay Biernaskie	MAGIC lines and the tradeoff between selfishness and group productivity
10:20-10:40	Wenhao Li	A general IBD-based mixed model approach for QTL mapping in multiparental populations
10:40-11:10	**Coffee**	
11:10-11:50	Matteo Dell'Acqua	A Nested Association Mapping population for QTL mapping and participatory breeding in Ethiopian wheat
11:10-11:50	Alex Whan	Putting the fun back into MAGIC funnels
12:30-13:30	**Lunch**	
13:30-14:10	Matt Clark	Combining genome technologies with genetics to analyse MAGIC populations
14:10-14:30	Laura Dixon	Identifying genes which underpin wheat floral architecture
14:50-15:20	**Coffee**	
15:20-15:50	Rowena Downie	Genetically dissecting disease interactions between *Parastagonospora nodorum* and wheat
15:50-17:00	**Discussion**	