



MEICOM

Inaugural Meeting & Workshop on Recombination/Plant Breeding

Monday 9th – Wednesday 11th July 2018

IET Birmingham, Austin Court

Monday 9 th July – <u>Inaugural Meeting</u>		
Time	Title	Presenter
8.30am	Tea & coffee available	
9.00am	Welcome & introductions	Professor Chris Franklin - <i>UoB</i>
9.10am	Overview & rationale of MEICOM project	Dr Eugenio Sanchez-Moran - <i>UoB</i>
9.30am	Training & Secondments	Dr Lindsey Leach - <i>UoB</i>
9.50am	RTP overviews - Introduced by RTP leaders	
9.50am	<ul style="list-style-type: none"> RTP1: The role of the meiotic chromosome axis in the formation of crossovers in Brassicas 	Dr Eugenio Sanchez-Moran & ESR Miguel Pachón Peñalba - <i>UoB</i>
10.10am	<ul style="list-style-type: none"> RTP2: Investigating synaptonemal complex morphogenesis in polyploid wheat 	Dr. Dr James Higgins & ESR Chiara Di Dio - <i>UoL</i>
10.30am	<ul style="list-style-type: none"> RTP3: Chromatin and recombination landscapes in the bread wheat genome 	Dr Ian Henderson & ESR Piotr Wlodzimierz - <i>UoC</i>
10.50am	Tea & coffee available	
11.10am	<ul style="list-style-type: none"> RTP4: Production of HyperRec genotypes in Brassica crops 	Dr Eric Jenczewski & ESR Greta Sandmann - <i>INRA</i>

11.30am	<ul style="list-style-type: none"> • RTP5: Break-Rec 	Dr Charles White & ESR Miguel Hernandez Sanchez-Rebato - <i>CNRS</i>
11.50am	<ul style="list-style-type: none"> • RTP6: Analysis and modulation of DSB formation in wheat 	Dr Monica Pradillo & ESR Francesco Blasio - <i>UCM</i>
12.10pm	<ul style="list-style-type: none"> • RTP7: High throughput analysis of crossover distribution in crops 	<i>Dr Paul Fransz & ESR Xinyue Zhang - UoA</i>
12.30pm	Lunch	
1.30pm	<ul style="list-style-type: none"> • RTP8: Use of optical mapping to study the influence of genome structure on recombination 	Dr Sander Peters Professor Dick de Ridder & ESR Roven Rommel Fuentes - <i>UoW</i>
1.50pm	<ul style="list-style-type: none"> • RTP9: Cas9- based induction of site specific meiotic crossovers (COs) in tomato 	Dr Annika Dorn & ESR Alandie Nieuwoudt - <i>KIT</i>
2.10pm	<ul style="list-style-type: none"> • RTP10: Identification of chemical compounds influencing the frequency and distribution of meiotic recombination events in barley (<i>Hordeum vulgare</i>) by single-pollen genotyping 	Dr Stefan Heckmann Dr Andreas Houben & ESR Yun-Jae Ahn - <i>IPK</i>
2.30pm	<ul style="list-style-type: none"> • RTP11: Control of meiotic recombination in maize 	Professor Arp Schnittger & ESR Max Vanderheide - <i>UoH</i>
2.50pm	<ul style="list-style-type: none"> • RTP12: Targeted meiotic DSB formation in Brassica crops 	Associate Professor Peter Schlogelhofer & ESR Carolina Saad Rodrigues - <i>UoV</i>
3.10pm	Tea & coffee available	
3.30pm	<ul style="list-style-type: none"> • Plant Breeders Forum: interests and outcomes from MEICOM 	Dr Steve Barnes
4.30pm	Crossover control: a cytological perspective	Professor Gareth Jones
5.15pm	Meeting concludes	
7.00pm	Meet for dinner	
7.30pm	MEICOM Inaugural Dinner	<i>The Botanist, Birmingham</i>

Tuesday 10th July 2018

Workshop on Plant Meiotic Recombination

Current state of the art; Chromosome organization in crop species

Challenges confronting plant breeding

IET Birmingham, Austin Court

Tuesday 10th July – Workshop on Plant Meiotic Recombination

Time	Title	Presenter
9.00am	Tea & coffee available	
9.30am	Introduction & Chair	Professor Wojtek Pawlowski - <i>Cornell University</i>
9.45am	Meiotic recombination in plant breeding	Dr Ed Byrne - <i>KWS</i>
10.15am	The early to modern years of meiotic research in maize: seeing is believing	Dr Rachel Wang - <i>Institute of Plant and Microbial Biology, Taiwan</i>
10.45am	Phylogenetic consequences of restricted recombination between Arabidopsis accessions	Dr Paul Franz - <i>UoA</i>
11.15am	Tea & coffee available	
11.45am	Polyploids in Meiosis	Dr Chris Morgan - <i>JIC</i>
12.15pm	Regulation by (De)-Phosphorylation of meiotic recombination	Dr Jesús Carballo - <i>Centro de Investigaciones Biológicas (CIB), CSIC</i>
12.45pm	Chromatin remodelling and chromosome access in recombination	Professor Wojtek Pawlowski – <i>Cornell University</i>
1.15pm	Lunch	
2.30pm	Visit to the Think Tank	
7.00pm	Meet for dinner	
7.30pm	Dinner	<i>The Jam House, Jewellery Quarter</i>

Discussion & Planning Outreach Events

Wednesday 11th July 2018

IET Birmingham, Austin Court

Wednesday 11 th July Introduction to Outreach		
Time	Title	Presenter
9.00am	Tea & coffee available	
9.30am	Introduction & Outreach Planning	Dr Eugenio Sanchez Moran - <i>UoB</i>
10.00am	BIOVEGEN – Spanish Biotechnology Platform: Catalyzing R&D activities and business opportunities in plant biotechnology	David Lapuente Pinilla - <i>Project Officer, BIOVEGEN</i>
10.45am	Tea & coffee	
11.00am	Meaningful engagement whilst surviving your PhD: face-to-face engagement	Dr Marina Martinez - <i>HMS</i>
11.30am	Meaningful engagement whilst surviving your PhD: digital engagement	Dr Chris Morgan - <i>JIC</i>
12.00pm	Discussion and questions	
12.30pm	Lunch	
1.30pm	Election of ESR Representatives	
1.45pm	Election of ESR Outreach Committee	
2.00pm	Meeting concludes	