



## FASEB Catalyst Conferences

### Meiotic Recombination in Plants

March 9-10, 2022

Conference Organizer:

Gaganpreet K. Sidhu, Ph.D., Head of Traits & Genomics, Meigenix Inc, Cornell University, Ithaca, NY

DAY 1 – Wednesday, March 9, 2022	
Time (US Eastern)	Agenda
9:00 AM – 9:10 AM	FASEB Welcome & Organizer Welcome
9:10 AM – 9:40 AM	“Genetic Dissection of Meiotic Crossover Regulation in the Mouse” Francesca Cole, Ph.D., MD Anderson Cancer Center, Texas, USA
9:40 AM – 10:10 AM	“CRISPR/Cas Mediated Plant Chromosome Engineering for Redirecting Meiotic Recombination” Holger Puchta, Ph.D., Karlsruhe Institute of Technology (KIT), Germany
10:10 AM – 10:40 AM	“Multi-Layered Patterning Of Recombination Events Along Meiotic Chromosomes” Martin White, Ph.D., Department of Molecular and Cellular Biology, Harvard University, USA
10:40 AM – 11:10 AM	“Meiotic Recombination in Wheat” James Higgins, Ph.D., University of Leicester, United Kingdom
11:10 AM – 11:30 AM	Break
11:30 AM – 12:00 PM	“Nuclear Pore Complexes are Required for Proper Chromosome Dynamics and Meiotic Homologous Recombination in Arabidopsis” Monica Pradillo Orellana, Ph.D., Complutense Univ. of Madrid, Spain
12:00 pm – 12:30 pm	“Identifying Novel Recombination QTLs Using Diverse African Arabidopsis” Nicola Gorringer, University of Cambridge, UK
12:30 pm – 12:40 pm	Organizer wrap up-Day 1
DAY 2 – Thursday, March 10, 2022	
9:00 AM – 9:10 AM	Organizer Recap Day 1 & Kickoff Day 2

9:10 AM – 9:40 AM	<b>“Crossover/Non-Crossover Decision and the Recombination Landscape in Maize”</b> Wojtek Pawlowski, Ph.D., Cornell University, Ithaca, NY
9:40 AM – 10:10 AM	<b>“How B Chromosomes Beat Mendel's Rule of Equal Segregation”</b> Andreas Houben, Ph.D., Leibniz Institute of Plant Genetics and Crop Plant Research, Germany
10:10 AM– 10:40 AM	<b>TBD</b> Peter Schlogelhofer, Ph.D., Max Perutz labs, Vienna, Austria
10:40 AM –11:10 AM	<b>“Skipping Sex: Natural Clonal Reproduction through Seeds by Apomixis”</b> Charles Underwood, Ph.D., Max Planck Institute for Plant Breeding Research, Germany
<b>11:10 AM–11:30 AM</b>	<b>Break</b>
11:30 AM– 12:00 PM	<b>“Interplay Between Meiotic Recombination and Sequence Polymorphism: New Insight”</b> Piotr Ziolkowski, Ph.D., Adam Mickiewicz University, Poznan, Poland
12:00 PM – 12:30 PM	<b>“Getting Organised - How We Think Arabidopsis Arenosa Solved Polyploid Chromosome Segregation”</b> Kirsten Bomblies, Ph.D., Institute of Molecular Plant Biology, Zurich, Switzerland
<b>12:30 PM – 12:40PM</b>	<b>Organizer Closing Remarks</b>
<b>12:40 PM – 1:30 PM</b>	<b>Virtual Happy Hour</b>