

**Plant Genomes in a Changing Environment  
16 – 18 October 2019**

**Wellcome Genome Campus,  
Hinxton, Cambridge, UK**

**Draft Conference Programme**

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**Wednesday 16 October 2019**

09:00-12:50	<b>Registration</b>
10:00-12:00	<b>[Optional] Bioinformatics resources in plant science</b>
12:00-12:50	<b>Buffet Lunch</b>
12:50-13:00	<b>Welcome and Introductions</b> <i>Michele Morgante, University of Udine, Italy</i>
13:00-14:00	<b>Keynote Lecture</b> <i>Chair: Michele Morgante, University of Udine, Italy</i>
	The 4th dimension of transcriptional networks: TIME <i>Gloria Coruzzi</i> <i>New York University, USA</i>
14:00-17:30	<b>Session 1: Abiotic stress (Improving plants for tolerance of abiotic stress)</b> <i>Chair: Cristobal Uauy, John Innes Centre, UK</i>
	14:00 Common gardens in teosintes reveal the establishment of a syndrome of adaptation to altitude <i>Maud Tenaillon</i> <i>INRA-Le Moulon, France</i>
	14:30 Short talk selected from submitted abstract
	14:45 Short talk selected from submitted abstract
	15:00 Short talk selected from submitted abstract
15:15-15:45	<b>Afternoon Tea</b>

15:45-17:30 **Session I continued: Abiotic stress (Improving plants for tolerance of abiotic stress)**

*Chair: Cristobal Uauy, John Innes Centre, UK*

15:45 Genetic and genomic studies of local adaptation and gene-by-environment interaction in switchgrass (*Panicum virgatum*)

*Tom Juenger*

*University of Texas at Austin, USA*

16:15 Reducing Crop Water Use by Engineering Stomatal Development

*Julie Gray*

*University of Sheffield, UK*

16:45 HYDROSIGNALLING: Uncovering how plant roots sense water availability

*Malcolm Bennett*

*University of Nottingham, UK*

17:15 Short talk selected from submitted abstract

17:30-18:00 **Lightning talks**

18:00-19:00 **Poster Session I (odd numbers) with drinks reception**

19:00-21:00 **Buffet Dinner**

19:00 **Cash Bar**

**Thursday 17 October 2019**

09:00-10:30 **Session 2: Biotic Stress (Improving plants for tolerance of biotic stress)**

*Chair: Joy Bergelson, University of Chicago, USA*

09:00 New insights to chemical biology conferring pathogen resistance in plants

*Mary Beth Mudgett*

*Stanford University, USA*

09:30 From the Microbiome to the Gene: Mapping the genes in a leaf microbiome responsible for strain-specific pathogenicity

*Talia Karasov*

*Max Planck Institute for Developmental Biology, Germany*

10:00 Title TBC

*Xuwei Chen*

*Sichuan University, China*

10:30 Short talk selected from submitted abstract

10:45 Short talk selected from submitted abstract

11:00-11:30	<b>Morning Coffee</b>
11:30-12:30	<p><b>Keynote Lecture</b>  <i>Chair: Michele Morgante, University of Udine, Italy</i></p> <p>Beyond single genes: receptor networks underpin plant immunity  <i>Sophien Kamoun</i>  <i>The Sainsbury Laboratory, UK</i></p>
12:30-15:15	<p><b>Session 2 continued: Biotic Stress (Improving plants for tolerance of biotic stress)</b>  <i>Chair: Joy Bergelson, University of Chicago, USA</i></p> <p>12:30 Short talk selected from submitted abstract</p> <p>12:45 Short talk selected from submitted abstract</p>
13:00-14:15	<p><b>Lunch</b></p> <p>14:15 The Arabidopsis immunity network and its response to temperature  <i>Jane Parker</i>  <i>Max Planck Institute for Plant Breeding Research, Germany</i></p> <p>14:45 Pathogen-informed strategies for sustainable broad-spectrum resistance in crops  <i>Bart Thomma</i>  <i>University of Wageningen, The Netherlands</i></p>
15:15-15:45	<b>Afternoon Tea</b>
15:45-17:30	<p><b>Session 3: New Technologies</b>  <i>Chair: Cristobal Uauy, John Innes Centre, UK</i></p> <p>15:45 Using data science to understand plant gene regulation  <i>Daphne Ezer</i>  <i>University of York, UK</i></p> <p>16:15 Invited Speaker  <i>tbc</i></p> <p>16:45 Short talk selected from submitted abstract</p> <p>17:00 Short talk selected from submitted abstract</p> <p>17:15 Short talk selected from submitted abstract</p>
17:30-18:00	<b>Lightning talks</b>
18:00-19:00	<b>Poster Session 2 (even numbers) with drinks reception</b>
19:00 prompt	<b>Conference Dinner</b>
19:00	<b>Cash Bar</b>

## Friday 18 October 2019

09:30-10:30

### **Keynote Lecture**

*Chair: Joy Bergelson, University of Chicago, USA*

Title TBC

*Venkatesan Sundaresan*

*University of California- Davis, USA*

10:30-13:15

### **Session 4: Other Strategies for sustaining yield performance in a changing environment**

*Chair: Michele Morgante, University of Udine, Italy*

10:30 Title TBC

*Fabrice Roux*

*INRA, France*

11:00-11:30

### **Morning Coffee**

11:30 Increasing meiotic recombination in plants

*Raphael Mercier*

*MPI Cologne, France*

12:00 Understanding mechanisms of response to complex environmental conditions in non-model plants

*Christina Richards*

*University of South Florida, USA*

12:30 Short talk selected from submitted abstract

12:45 Short talk selected from submitted abstract

13:00-13:15

### **Closing Remarks**

*Cristobal Uauy, John Innes Centre, UK*

13:15-14:15

### **Lunch**

14:15

**Coaches depart to Cambridge City Centre and Train Station, Stansted Airport via Heathrow Airport**