CBC Members meeting
Zoom
Tuesday & Wednesday, 8 – 9 December 2020

DAY 1 (Tuesday, December 8, 2020)

1:00 pm  Kan Wang & Steve Whitham (Co-Directors)
Welcome and introductory remarks

1:05 pm  Aragula Rao (Interim Vice President for Research)
Welcome

1:15 pm  Kan Wang & Steve Whitham (Co-Directors)
Members update

1:30 pm  Steven Whitham (Session Chair)
1:35 pm  Shui-zhang Fei (Horticulture)
Overcoming Transformation Recalcitrance in Upland Switchgrass by Expressing Morphogenic Genes

2:00 pm  Reuben Peters (BBMB)
Engineering Selective Agrochemical Suppression of Gibberellin Metabolism

2:25 pm  Keunsub Lee (Agronomy)
Generation of thymidine auxotrophic Agrobacterium tumefaciens strains for plant transformation

2:50 pm  Siddique Aboobucker (Agronomy)
Evaluating the spontaneous haploid genome doubling (SHGD) ability of a candidate gene in maize

3:15 pm  Carmen Bain (Sociology)
Competing Stakeholder Narratives on Regulating Gene Editing in Agriculture and Food in the EU

3:40 pm  Break

4:00 pm  Erik Vollbrecht (Session Chair)
4:05 pm  Members’ featured speaker: James Birchler (U. of Missouri)
Site specific recombination integration and BAC stacking in maize

4:50 pm  Members’ featured speaker: Bing Yang (U. of Missouri)
CRISPR/Cas9-based genome editing in maize

5:35 pm  End of Day 1.
DAY 2 (Wednesday, December 9, 2020)

9:00 am Thomas Lubberstedt (Session Chair)
9:05 am Guest speaker: Tim Kelliher (Syngenta)
Disrupting crop breeding by combining haploid induction and genome editing
9:50 am Erik Vollbrecht (GDCB)
Genome editing for plant architecture traits in maize

10:20 am Break

10:30 am Dipali Sashital (Session Chair)
10:30 am Madan Bhattacharyya (Agronomy)
Towards developing a CRISPR-Cas9 gene-editing system for Camelina sativa
10:55 am Ursula Frei (Agronomy)
Update on the development of an easily transformable haploid inducer for HI edit
11:15 am Jianming Yu (Agronomy)
Pinpointing the gene underlying height QTL and thoughts on genetic effect continuum

11:40 pm Kan Wang & Steve Whitham (Co-Directors)
Members discussion – research opportunities, seed grants, spring seminar series, members’ support
12:30 pm Meeting adjourn.