

Workshop on Cereal Genomics

October 15 - 21, 2019 Applications Due: August 15



Cold Spring Harbor Laboratory
MEETINGS & COURSES PROGRAM

Cold Spring Harbor, New York

web: meetings.cshl.edu/cereal19

This one-week workshop in Cereal Genomics will enable participants to take advantage of emerging genetic tools and the completed cereal genome sequences of most of the major cereal crops.

The workshop will feature morning and evening lectures with afternoon lab exercises, including hands-on lab work and computer sessions in comparative anatomy, GWAS, Next Gen expression analysis, whole genome sequencing assembly, emerging model systems, genome editing and phenomics.

The faculty (instructors and invited lecturers) are active researchers in cereal genetics and genomics who have made significant contributions to the field, ensuring that the latest techniques and ideas will be presented. The course will be structured to provide time for informal discussions and exchange with instructors. Students from academic institutions are eligible to apply for partial scholarships.

INSTRUCTORS

Sarah Hake, USDA/UC Berkeley Plant Gene Expression Center

David Jackson, Cold Spring Harbor Laboratory

Doreen Ware, USDA/Cold Spring Harbor Laboratory

TOPICS

- **Comparative anatomy and phylogeny**
- **Cereal genomes, assembly, annotation and synteny**
- **Genetics and databases**
- **Quantitative trait locus mapping and genome wide association studies**
- **Genome wide expression analyses**
- **Reverse genetics and genome editing**
- **Phenomics**

2019 SPEAKERS

Edward Buckler, USDA-ARS

Katrien Devos, University of Georgia

Jorge Dubcovsky, University of California Davis

Andrea Eveland, Donald Danforth Plant Science Center

Lisa Harper, University of California Berkeley

Elizabeth Kellogg, Donald Danforth Plant Science Center

Devin O'Connor, Pairwise Plants

Uta Paszkowski, University of Cambridge, UK

Christopher Topp, Donald Danforth Plant Science Center

Bing Yang, Donald Danforth Plant Science Center

