



125th anniversary celebration on CSH sandspit

Cold Spring Harbor Laboratory Workshop

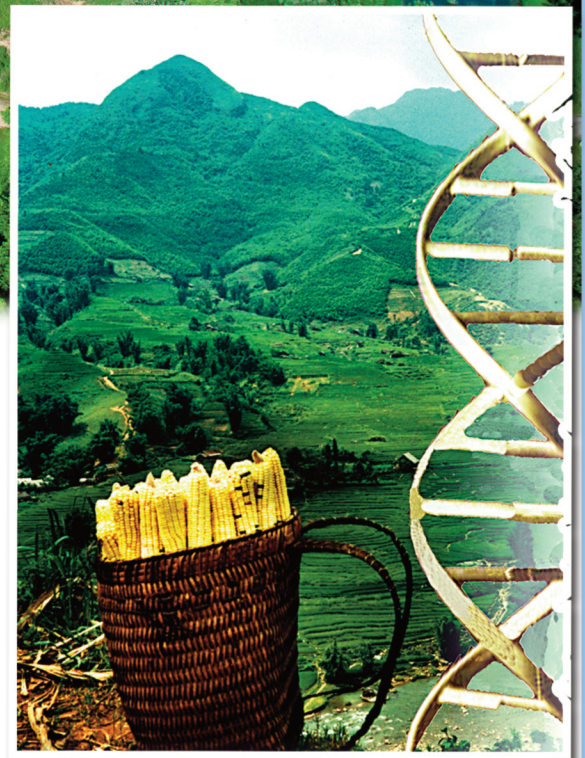
Cereal Genomics

October 18 - 25, 2016 - Applications due: August 15

Workshop Leaders:

David Jackson & Doreen Ware, Cold Spring Harbor Laboratory
Sarah Hake, USDA/UC Berkeley Plant Gene Expression Center

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.



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**

Confirmed instructors include:

Pat Brown, Ed Buckler, Mark Cigan, Katrien Devos, Andrea Eveland, Lisa Harper, Matt Hudson, Toby Kellogg, Devin O'Connor, Uta Paszkowski, Chris Topp, Zhanguo Xin



For further information, please visit us on the web
www.cshl.edu/meetings