

Annual Meeting of the AAAS
2011, Washington, DC.

Plant breeding today: genomics and computing advances bring speed and precision

**A series of talks and a
discussion meeting.**

Saturday, February 19, 2011
10:00 - 11:30 am. Walter E. Washington
Convention Center, 147A



Advances in DNA sequencing and information technology have transformed our ability to track genetic variation and plant performance, making the process of plant breeding radically quicker and cheaper than ever before. This technology is being deployed, not just on maize, wheat and rice, but also on more marginal species, such as non-food crops and crops of developing countries.

Find out how the latest plant science is

- shortening the time it takes to domesticate new crops
- tailoring existing crops to face new challenges, such as climate change
- incorporating valuable traits from wild relatives into established crops

Programme

10.00: Introduction and context

Harry Klee, University of Florida

10.10: Molecular approaches speed up plant breeding of medical and developing country crops.

Ian Graham, Centre for Novel Agricultural Products, University of York

10.30: Dissecting the genetics of complex agronomic traits for crop improvement

Edward Buckler, USDA-ARS at Cornell University

10.50: Discovering genes for crop improvement from wild ancestor plants.

Susan R. McCouch, Cornell University

11.10: Key issues highlighted and open discussion

Led by Dianna Bowles, Centre for Novel Agricultural Products, University of York



Organizer: Ian Graham, University of York
Co-Organizer: Elspeth Bartlet, University of York
Moderator: Harry J. Klee, University of Florida
Discussant: Dianna Bowles, University of York

Queries to:
Elspeth Bartlet
elspeth.bartlet@york.ac.uk
+44(0)7814664961