

Breeding with Molecular Markers

February 14-15, 2012

Choose Quality

Breeding with Molecular Markers is a professional development course designed by the Seed Biotechnology Center at UC Davis.

The program is taught by experts from both industry and academia. It is an excellent opportunity to interact with experts and industry professionals.

Who should attend?

The lectures and workshop are aimed at professionals who are involved in plant breeding and germplasm improvement.

It is an opportunity for breeders who are using these tools to expand their knowledge of new strategies and technologies and for laboratory personnel to appreciate how the marker data that they generate is applied in breeding programs.

UC DAVIS

DEPARTMENT OF PLANT SCIENCES

College of Agricultural and Environmental Sciences

Program

The University of California is hosting Breeding with Molecular Markers in Davis on February 14th and 15th, 2012.

The course covers the basics of DNA markers, quantitative trait loci and the transition from marker assisted selection to genomic selection with a highlight on breeding for disease resistance.

A hands-on workshop on software support to marker application in breeding programs is included.

Core Instructors and Guest Lecturers

Allen Van Deynze, University of California, Davis

Jorge Dubcovsky, University of California, Davis

Richard Michelmore, University of California, Davis

Alison Van Eenennaam, University of California, Davis

David Francis, The Ohio State University

Edie Paul, GeneFlow Inc.

NEW topic for 2012

This year's curriculum includes a module on genomic selection, the latest integration of genomics to breeding.

Curriculum

- Types and availability of molecular markers
- Working with quantitative trait loci
- Marker-assisted selection
- Using association studies in breeding
- Effects of population structure on applications of molecular markers
- Hands-on software demonstrations to analyze traits with molecular markers
- New breeding strategies with markers

Enrollment Information

Location

UC Davis Conference Center, Davis, CA

Date

February 14-15, 2012

Registration Fee(s):

Early-bird: \$550

Full price: \$650

Participants who enroll by 12/4/2011 will receive the early-bird registration fee.

For more information:

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