

***Phytophthora* Molecular Genetics Symposium:
Beyond Y2K**

13-14 November, 1999
Ohio Agricultural Research and Development Center,
Wooster, Ohio

Scientific program

Updated on October 7, 1999

Saturday 13 November, 1999

8:30 Breakfast

9:00 Opening talk: *Phytophthora*: The view from the furrow
Anne Dorrance, The Ohio State University-OARDC Wooster

**Session 1: Evolution
Moderator: Vivianne Vleeshouwers**

9:25 Bill Fry, Cornell University, Ithaca, New York
Role of sexual recombination in generating important lineages of *Phytophthora infestans* in North America

9:50 David Cooke, Scottish Crop Research Institute, Dundee, Scotland
A revised classification of *Phytophthora* and other oomycetes on the basis of ITS analysis

10:15 Coffee break

**Session 2: *Phytophthora*-plant interactions I
Moderator: Steve Whisson**

10:30 Vivianne Vleeshouwers, Wageningen Agricultural University, The Netherlands
The hypersensitive response is associated with all types of resistance to *Phytophthora infestans*

10:55 Mary Connolly, Bowling Green State University, Ohio
Characterization of the Isoflavone Receptor of *Phytophthora sojae*

11:20 Trudy Torto, The Ohio State University-OARDC Wooster, Ohio
A gene encoding a novel endopolygalacturonase from *Phytophthora infestans*

11:45 Discussion

12:00 Lunch

**Session 3: *Phytophthora*-plant interactions II
Moderator: Pieter van West**

1:15 Chris Smart, Cornell University, Ithaca, New York
Tomato specialization in *Phytophthora infestans*

1:40 Paul Birch, Scottish Crop Research Institute, Dundee, Scotland
Communication between plant and *Phytophthora*: looking for the pathways to disease and disease resistance

2:05 Terry Graham, The Ohio State University, Columbus, Ohio
Signaling processes that recruit, potentiate or trigger cellular defense responses against *Phytophthora sojae* in soybean

2:30 Edgar Huitema, The Ohio State University-OARDC Wooster, Ohio
Nonhost resistance of *Nicotiana* to *Phytophthora*

2:55 Discussion

3:15 Departure to Mohican Lodge

Sunday 14 November, 1999

8:30 Breakfast

Session 4: Molecular toolbox
Moderator: Chris Smart

9:00 Pieter van West, The University of Aberdeen, Scotland
Green Fluorescent Protein as a reporter gene in *Phytophthora*

9:25 Terry MacGregor, Agriculture Canada, London, Ontario
Mapping of the Avr1a avirulence gene in *Phytophthora sojae*

9:50 Steve Whisson, Scottish Crop Research Institute, Dundee, Scotland
Construction of a Bacterial Artificial Chromosome library of the late blight pathogen *Phytophthora infestans*

10:15 Coffee break

Session 5: Genomics
Moderator: TBA

10:30 Dinah Qutob, Agriculture Canada, London, Ontario
Expressed sequence tag analysis of gene expression in *Phytophthora sojae*

10:55 Pieter van West, The University of Aberdeen, Scotland
Gene silencing as a functional genomics tool in *Phytophthora*

11:20 Genomics, Sophien Kamoun, The Ohio State University-OARDC
Phytophthora genomics: Beyond sequencing

11:45 Closing talk: An outsider view of *Phytophthora* research
Dave Francis, The Ohio State University-OARDC Wooster, Ohio

12:10 Closing comments

12:30 Lunch/Departure