

***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** *Gow*
Green Fluorescent Protein as a reporter gene in *Phytophthora*
- 9:25 Terry MacGregor, Agriculture Canada, London, Ontario** *Mark Syue*
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