

Workshop Genetics and Molecular Biology of Oomycetes, Asilomar, March 22, 1995

GENE ISOLATION/GENE STRUCTURE/GENE EXPRESSION

7.30 Julie Silver (10 min + 5 min discussion)

- Expression of chaperone/heat shock protein transcript populations during hyphal branching in *Achlya ambisexualis*.

7.45 J.S. Marshall (10 min + 5 min discussion)

- Identification and characterization of clones encoding the high molecular weight protein resident in large peripheral vesicles of *Phytophthora cinnamomi* zoospores.

8.00 Petr Karlovsky (8 min + 2 min discussion)

- 1,3- β -glucanase and xylanase from *Phytophthora parasitica*: enzyme characterization and gene cloning

8.10 Francine Govers (8 min + 2 min discussion)

- Functional analysis of the *ipiO* genes of the late blight pathogen *Phytophthora infestans*

8.20 Franck Panabieres (10 min)

- Organisation of elicitin genes from *Phytophthora cryptogea*

8.30 Brett M. Tyler (10 min)

- Elicitins of *Phytophthora parasitica*

8.40 Discussion Elicitins (5 min)

8.45 BREAK

TRANSFORMATION

9.00 Howard S. Judelson (10 min)

- Transgene (in)stability in *Phytophthora infestans*

9.10 Discussion Transformation (5 min)

GENETICS

9.15 Howard S. Judelson (10 + 5 min discussion)

- A system of balanced lethals controls the segregation of mating type loci in the oomycete *Phytophthora infestans*.

9.30 Richard W. Michelmore (8 + 2 min discussion)

- Analysis of variation in *Bremia lactucae* using molecular markers

9.40 David M. Francis (10 min)

- Introduction Genetics Pythium

- Sexual and asexual mechanisms influence genetic variation in *Pythium ultimum*

10.00 Motoaki Tojo (5 min)

- Characterization of two different types of *Pythium ultimum* var. *ultimum* in vegetable field soil.

10.05 Frank N. Martin (10 min)

- The genus *Pythium*: electrophoretic karyotypic variation, genome analysis and genome evolution

10.15 Discussion Genetics *Pythium* spp (5 min)

10.20 André Drenth (10 min)

- Introduction Genetics *P. sojae*

- Genetics of virulence and linkage mapping in *Phytophthora sojae*

10.30 Mark Gijzen (5 min)

- Cosegregation of Avr4 and Avr6 in *Phytophthora sojae*

10.35 Brett M. Tyler (5 min)

- Genetic analysis of cultivar specificity and race evolution in the soybean pathogen *Phytophthora sojae*

10.40 Discussion Genetics *P. sojae* (5 min)

GENERAL DISCUSSION

10.45 General Discussion