

The Hypersensitive Response



Olea europaea L.

Significant importance in Portuguese economy 340,000 acres of olive orchards 40,000 tons of olive oil / year 40% destined for exportation























Conclusions

The interaction between the variety Galega Vulgar of *Olea europaea* and the bacteria *Pseudomonas savastanoi* is apparently incompatible

Increased levels of ROS production

Production of secondary metabolites essential to the resistance process

Reinforcement of the cell boundaries

Triggering of programmed cell death

Acknowledgments

• Plant Biochemistry and Molecular Physiology Group

Prof. Teresa Lino Neto Prof. Alberto Dias

André Braga da Cruz is supported by Fundação para a Ciência e Tecnologia, grant ref. SFRH/BD/6654/2001