Investigation into the Molecular Mechanisms Underlying NEmatode recognition by the Ma receptor

IMMUNE Project

AgreenSkills+ Annual Meeting
2018

Simon Saucet

12/06/2018

Co-funded by
the European Union

INRA
SCIENCE & IMPACT

Research background:
Molecular Plant-Pathogen interactions

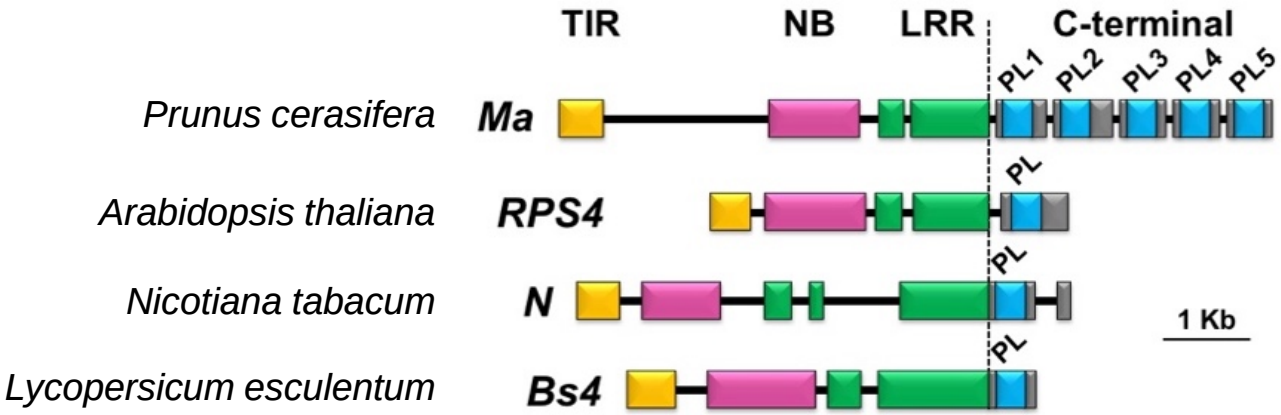
2009-2013, **PhD** in Jonathan Jones's lab
at The Sainsbury Laboratory, England
Plant-Bacteria Interactions

2014, **Post-doc** in Daniel Esmenjaud's lab
at the Institut Sophia Agrobiotech, France
Plant-Nematode Interactions

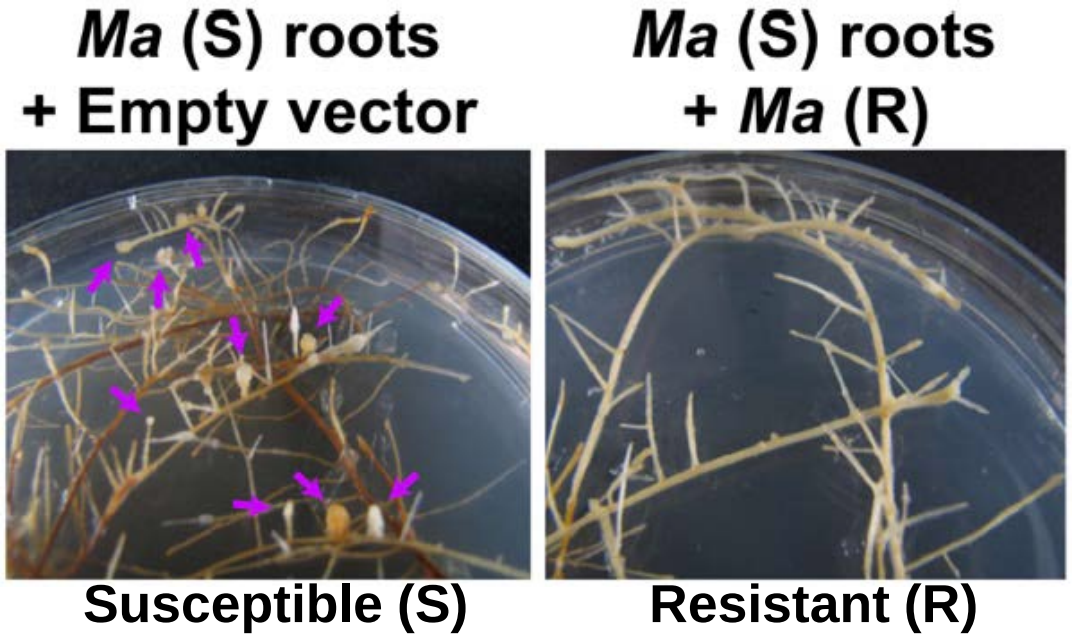
2014-2017, **Post-doc** in Ken Shirasu's lab
at RIKEN, Japan
Plant-Parasitic Plant Interactions

2017-2019, **Post-doc** in Daniel Esmenjaud's lab
at the Institut Sophia Agrobiotech, France
Plant-Nematode Interactions
AgreenSkills+ fellowship

The *Ma* TIR-NB-LRR gene provides resistance to the root-knot nematodes (*Meloidogyne*) in Prunus trees



Meloidogyne incognita



Claverie *et al*., 2011; Saucet *et al*., 2016; Van ghelder and Esmenjaud, 2016

How does the Ma resistance protein functions for nematode recognitions?