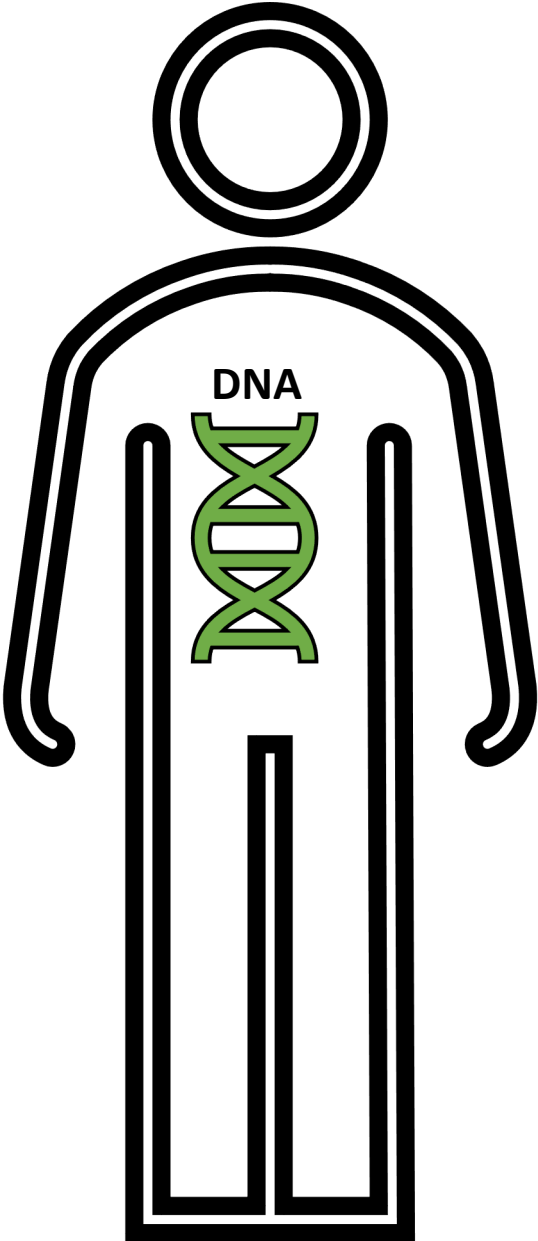


Spray-induced silencing as a possible strategy for plant disease control

Ramesh Raju Vetukuri
Dept. of Plant Breeding
SLU, Alnarp

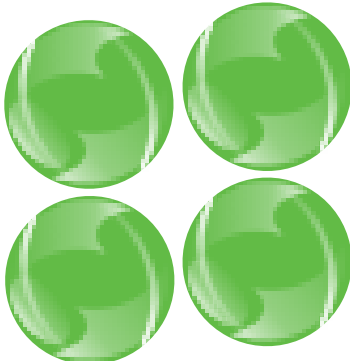
Spray-Induced Gene Silencing



RNA



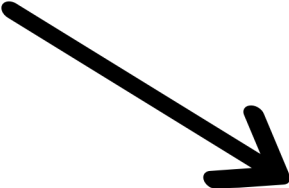
Proteins



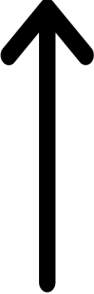
Necessary
Function

More than
required
amount of
protein

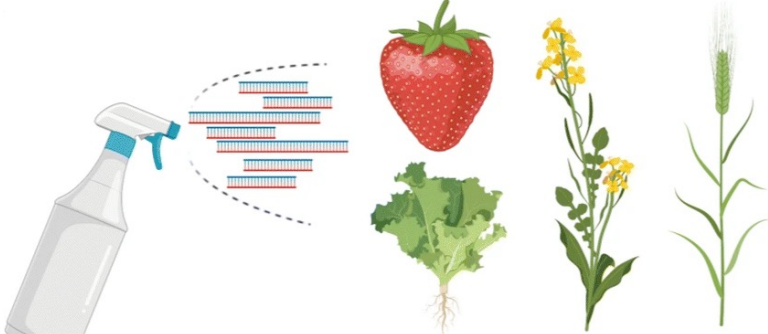
Or
Virus infections



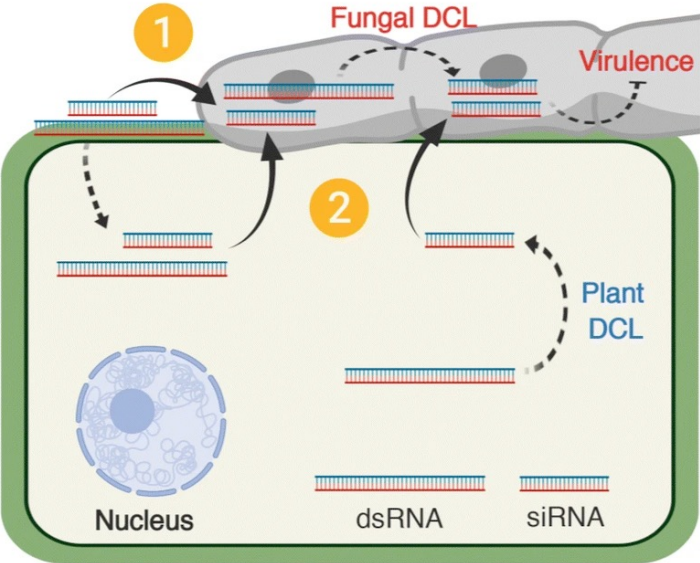
Small RNA or
dsRNAs



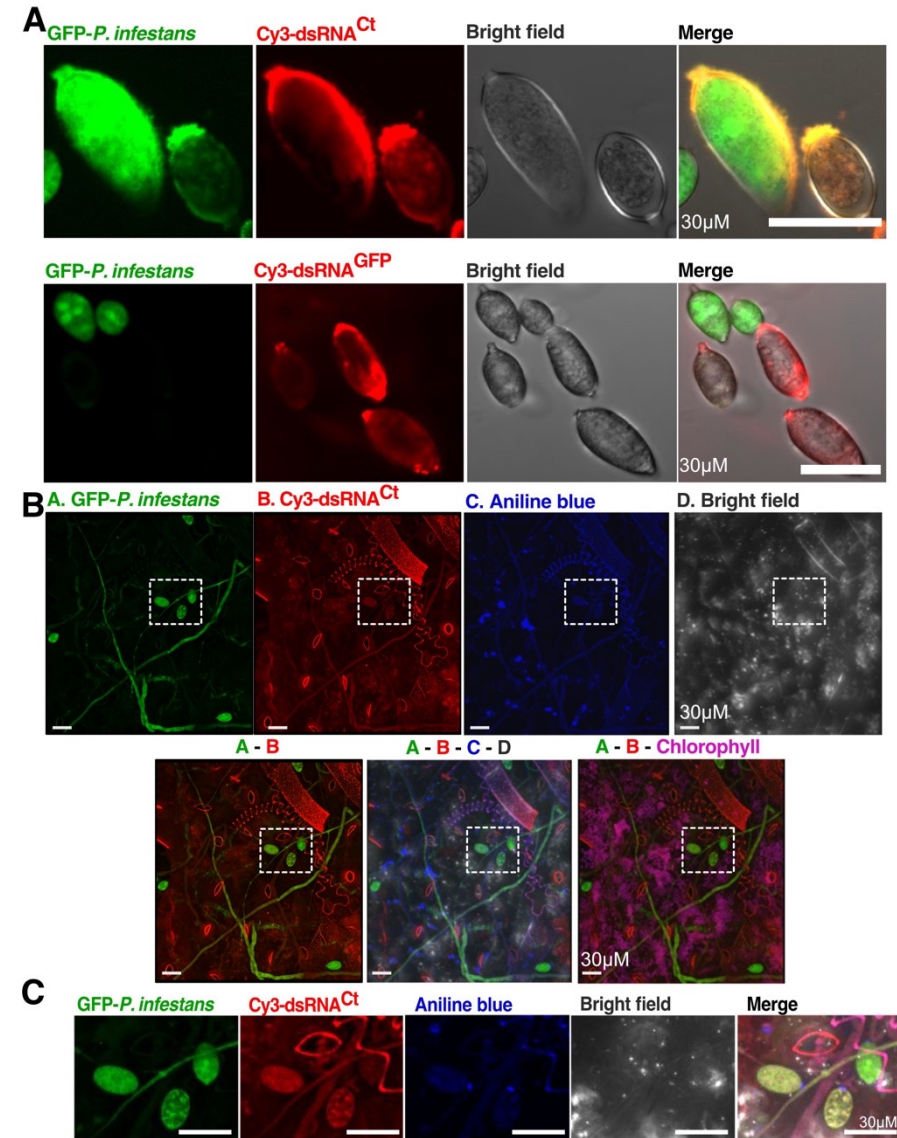
Spray-Induced Gene Silencing



Spraying dsRNAs and siRNAs



Spray induced gene silencing and uptake of dsRNA by *P. infestans* sporangia





Pruthvi B. Kalyandurg

Poorva Sundararajan

Naga Charan Konkalla

Lyazzat Otessinova

Farideh Ghadamgahi

Samrat Ghosh

Daniel Nicotra

Reemana Fatima

Fantaye Ayele Dadi

Bekele Gelena Kelbessa

Zerihun Senbeto

Erland Liljeroth

Rodomiرو Ortiz

Anders Carlsson

Aakash Chawde

Mukesh Dubey - SLU- Uppsala

Edoardo Piombo

Steve Whisson - James Hutton Institute, UK

