



Applying digital image analysis to measure pathogen virulence.

# PLANT PATHOLOGY

Controlling plant pathogens to reduce losses of staple food crops.



## Research Areas

- Pathogen population genetics and evolutionary biology;
- Biological control of soil-borne pathogens;
- Diseases of perennial crops;
- Resistance breeding strategies;
- Pathogen origins and emergence.

## Regions

Australia, Brazil, China, Denmark, Germany, Iran, Italy, New Zealand, The Netherlands, and USA.

## Partners

INRA; USDA; Australian National University; CSIRO Plant Industry; Curtin University; UNESP, Brazil; and FAFU, China.

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## Contribution to the WFSC

The group of Plant Pathology works on major diseases infecting the important food crops (wheat, barley, rice) in order to reduce disease losses. The research spans the spectrum in agriculture, from molecular- to ecosystem-orientation, which allows for a highly cross-disciplinary and global orientation which fits with the objectives of the WFSC. The focus is on delivery of fundamental knowledge in key areas of plant pathology in a problem-solving, innovative manner.



Prof. Bruce McDonald

