

Philippe Simoneau

Date of Birth: April 17th 1959

Married, 4 children

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**PROFESSOR OF MICROBIOLOGY, UNIVERSITY OF ANGERS / PLANT PATHOLOGIST AT THE RESEARCH INSTITUTE OF HORTICULTURE AND SEEDS****EDUCATIONAL BACKGROUND**

- Ph.D., Plant Pathology – University of Bordeaux II (1989)
- Authorization to direct Research (HDR) -University of Angers (1999)

RESEARCH INTERESTS

My major research project concerns the understanding of the adaptive responses of necrotrophic fungi to host plant colonization-derived stresses and more precisely the fungal genetic factors that impact seed transmission. We also explored the composition of microbial communities associated with seeds and their dynamic during germination. During the last eight years, I also developed research programs to explore the diversity of *Alternaria* spp. causing diseases on various crops in the Mediterranean area.

SELECTION OF MAJOR PUBLICATIONS SINCE 2018 (ADDITIONAL REFERENCES AVAILABLE AT <https://orcid.org/0000-0002-3890-9848>)

1. CHARPENTIER T., VIAULT G., LE RAY A.M., BATAILLE-SIMONEAU N., HELESBEUX J.J., BLON N., BASTIDE F., MARCHI M., ALIGON S., BRUGUIERE A.,....., SIMONEAU P., RICHOMME P., GUILLEMETTE T. 2023. Natural Products Targeting the Fungal Unfolded Protein Response as an Alternative Crop Protection Strategy. *Journal of Agricultural and Food Chemistry* 71, 37, 13706–13716
2. BESSADAT N., HAMON B., BATAILLE-SIMONEAU N., COLOU J., MABROUK K, SIMONEAU P. 2022. Characterization of *Stemphylium* spp. associated with tomato foliar diseases in Algeria. *Phytopathologia Mediterranea*. 61(1): 39-53.
3. N'GUYEN GQ, RAULO R, PORQUIER A, IACOMI B, PELLETIER S, RENO J-P, BATAILLE-SIMONEAU N, CAMPION C, HAMON B, KWASIBORSKI A, COLOU J, BENAMAR A, HUDHOMME P, MACHEREL D, SIMONEAU P AND GUILLEMETTE T. 2021. Responses of the Necrotrophic Fungus *Alternaria brassicicola* to the Indolic Phytoalexin Brassinin. *Frontiers in Plant Science* 11:611643.
4. COLOU J., N'GUYEN G.Q., DUBREU O., FONTAINE K., KWASIBORSKI A., BASTIDE F., MANERO F., HAMON B., ALIGON S., SIMONEAU P., GUILLEMETTE T. 2019. Role of Membrane Compartment Occupied by Can1 (MCC) and eisosome subdomains in plant pathogenicity of the necrotrophic fungus *Alternaria brassicicola*. *BMC Microbiology* 19 : 295.
5. N'GUYEN G.Q., RAULO R., MARCHI M., AGUSTI-BRISACH C., IACOMI B., PELLETIER S., RENO J.-P., BATAILLE-SIMONEAU N., CAMPION C., BASTIDE F., HAMON B., ...LEMOINE R., KWASIBORSKI A., SIMONEAU P., GUILLEMETTE T. 2019. Responses to Hydric Stress in the Seed-Borne Necrotrophic Fungus *Alternaria brassicicola*. *Frontiers in Microbiology* 10 : 1-16.
6. REZKI S., CAMPION C., SIMONEAU P., JACQUES M.-A., SHADE A., BARRET M. 2018. Assembly of seed-associated microbial communities within and across successive plant generations. *Plant and Soil* 422(1-2) : 67-79.

MAIN RESEARCH RESPONSIBILITIES

- 2023-2024: Research work package leader of the European University Alliance EU-GREEN (<https://eugreenalliance.eu>)
- 2016-2024: Vice-President for research at the University of Angers (25 research units; 850 scientists)
- 2022-2025: Pi for the ANR SO/SAPS 18/19 project CLASS

- 2008-2016: Director of the Research Federation on Plant Quality and Health (SFR 4207 QUASAV, 9 research units; 350 scientists) - <http://www.sfrquasav-angers.org>
- 2012-2019 and 2024-: Deputy Director of the Research Institute of Horticulture and Seeds (UMR 1345 IRHS, 250 scientists) - <http://www6.angers-nantes.inra.fr/irhs>
- 2015-2022: Scientific coordinator of the research program « Objectif Végétal » <http://www.objectifvegetal.univ-angers.fr>

METRICS

- ✓ 110 published papers, 2 book chapters, 2 patents
- ✓ 21 supervised Ph.D. students since 1999
- ✓ H-index = 35
- ✓ 3850 citations