

PERSONAL INFORMATION

Mathilde Fagard



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 State personal website(s) http://www-ijpb.versailles.inra.fr/en/nap/equipes/Interactions_azote-pathogenes/index.html

Sex Female | Date of birth 27/10/1971 | Nationality French

WORK EXPERIENCE

from 2012- to today

Principal investigator, senior scientist (*directrice de recherche*)

Institut Jean-Pierre Bourgin, INRA, Versailles, France

- "Nitrogen-Pathogen Interactions" Group leader
Sector Phytopathology

from 2003 – to 2012

Principal investigator, junior scientist (*chargée de recherche*)

Laboratoire des Interactions Plantes-Pathogènes, AgroParistech, Paris, France. Group leader: MA Barny.

- Project leader, "Role of the type three secreted effector DspA/E of *E. amylovora* during infection"
Sector Phytopathology

from 2001 – to 2003

Junior scientist

Laboratoire de Biologie et de développement du Fruit, INRA, Bordeaux, France; Group leader: C. Rothan.

- Genetics and molecular biology of tomato fruit development.
Sector Plant developmental biology

from 1999 – to 2001

Post-doc

Laboratoire de Biologie Cellulaire, INRA, Versailles, France. Group leader: H. Vaucheret.

- Characterization of Arabidopsis mutants affected in the PTGS pathway (positional cloning).
Sector Plant epigenetics

from 1995 – to 1999

PhD student

Laboratoire de Biologie Cellulaire, INRA, Versailles, France. Group leader: H. Höfte.

- Characterization of Arabidopsis EMS mutants affected in cell elongation. Positional cloning, cell wall characterization (FTIR).
Sector Plant cell wall

from 1994 – to 1995

Masters student

Rockefeller University, New-York: Master's degree in NH Chua's lab

- Screening and characterization of light-insensitive Arabidopsis mutants.

Sector Plant development, light perception.

EDUCATION AND TRAINING

Replace with dates (2010)

HDR

Université Paris-Sud Orsay, France

Replace with dates (1999)

- Phytopathology, plant molecular genetics

PhD

Replace with education or training organisation's name and locality (if relevant, country)

Replace with dates (1995)

- Plant molecular genetics, cell wall analysis (FTIR),

Master2 & Magistère

Replace with education or training organisation's name and locality (if relevant, country)

- Replace with a list of principal subjects covered or skills acquired

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Replace with name of language certificate. Enter level if known.					
German	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills gained through my experience as sales manager

Organisational / managerial skills

- leadership : currently responsible for a team of 8 people

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

Replace with your other computer skills. Specify in what context they were acquired. Example:

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

Driving licence B

ADDITIONAL INFORMATION

Selected Publications

- Expert D., Patrit O., Shevchik V.E., Perino C., Boucher V., Christophe C., Wénès E., and **Fagard M.** (2016). *Dickeya dadantii* pectic enzymes necessary for virulence are also responsible for activation of the *Arabidopsis thaliana* innate immune system. *Mol Plant Pathol*. doi: 10.1111/mpp.12522.
- Zarattini M., Launay A., Farjad M., Wénès E., Taconnat L., Boutet S., Bernacchia G., and **Fagard M.** (2016). The bile acid deoxycholate elicits defences in *Arabidopsis* and reduces bacterial infection. *Mol Plant Pathol*.
- Launay A., Patrit O., Wénès E., and **Fagard M.** (2016). DspA/E Contributes to Apoplastic Accumulation of ROS in Non-host *A. thaliana*. *Front. Plant Sci.* 7: 619.
- Fagard M.**, Launay A., Clement G., Courtial J., Dellagi A., Farjad M., Krapp A., Soulie M.C., and Masclaux-Daubresse C. (2014). Nitrogen metabolism meets phytopathology. *Journal of Experimental Botany* 65: 5643–5656
- Degrave A., Moreau M., Launay A., Barny M.A., Brisset M.N., Patrit O., Taconnat L., Vedel R. and **Fagard M.** (2013) The bacterial effector DspA/E is toxic in *A. thaliana* and is required for multiplication and survival of fire blight pathogen. *Mol. Plant Pathol*.
- Dechorgnat J, Patrit O, Krapp A, **Fagard M** and Daniel-Vedele F. The AtNRT2.6 gene is involved in the response of *Arabidopsis thaliana* to *Erwinia amylovora* (2012) *Plos One* 7: e42491.
- Moreau M, Degrave A, Vedel R, Bitton F, Patrit O, Renou JP, Barny MA and **Fagard M.** EDS1 contributes to non-host resistance of *A. thaliana* against *E. amylovora*. (2012) *Molecular Plant Microbe Interactions* 25: 421-430.
- Fagard M.**, Dellagi A, Roux C, Périno C, Rigault M, Boucher V, Shevchik V, Expert D (2007) *Arabidopsis thaliana* expresses multiple lines of *defense* to counter-attack *Erwinia chrysanthemi*. *Molecular Plant Microbe Interactions* 20: 794-805.
- Fagard M.**, Boutet S, Morel JB, Bellini C and Vaucheret H (2000) AGO1, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals. *Proc Natl Acad Sci* 97, 11650-4.
- Fagard M.**, Desnos T, Desprez T, Goubet F, Refregier G, Mouille G, McCann M, Rayon C, Vernhettes S, and Höfte H (2000) PROCUSTE1 encodes a cellulose synthase required for normal cell elongation specifically in roots and dark-grown hypocotyls of *Arabidopsis*. *Plant Cell* 12, 2409-23.

Other achievements

28 scientific publications; 6 funded research projects; supervisor of 3 PhDs and 4 diploma/bachelor/master theses. Co-Organizer of one international conference and one national conference.

*I sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali.
Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.*

25/03/2017