

## PERSONAL INFORMATION

**Matias Pasquali**Department of Food, Environmental and Nutritional Sciences  
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## CURRENT POSITION

**Associate Professor of Plant Pathology**

## WORK EXPERIENCE

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- From 2016 Associate Professor of Plant Pathology**  
Università degli Studi di Milano
- 2008-2016 Senior Researcher**  
2008-2015 CRP - Gabriel Lippmann; 2015 -2016 renamed as LIST (Belvaux, Luxembourg)
- 2011 Visiting Professor**  
Università di Sassari
- 2005-2007 Adjunct research scientist and visiting professor as Branco Weiss Fellow and OECD fellow**  
University of Minnesota, Plant Pathology Department and USDA cereal disease lab, St Paul (MN)- USA
- 2004-2006 Contract professor**  
Faculty of Agriculture, University of Torino (Italy)
- 2003-2006 Researcher (post-doc) in plant pathology**  
University of Torino – Agroinnova –DivaPRA.
- 2003 Marie Curie Fellow**  
Niab Institute, Cambridge (UK)
- 2001-2002 Mansholt Institute Fellow**  
Wageningen University, Wageningen (NED)

## EDUCATION AND TRAINING

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- 2005-2006 Master in bioinformatics** t  
University of Torino
- 2000- 2004 PhD in Plant Pathology** t  
University of Torino
- 1995-2000 Master Degree in agricultural biotechnologies**  
University of Torino

## PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

Organisational / managerial skills

Organized national and international conferences.

He is senior editor of the Journal of Plant Pathology since 2016

From 2017: Coordinator of a department section of “Scienze dei Sistemi Agro-Ambientali”.

From 2016: member of the teaching board of the PhD school “Food Systems”.

From 2018: Member of the ethical committee of the National Association of Italian Biotechnologists (ANBI)

From 2019: member of the governing board of PhD school of “Food Systems” of the Università degli Studi di Milano.

## ADDITIONAL INFORMATION

Publication

Author >170 publications in 4 languages: English, Italian, French and German.

Full list of publication can be found at

[https://air.unimi.it/cris/rp/rp43534?open=all&sort\\_byall=1&orderall=desc&rppall=20&etalall=1&startall=0#.XE8Dkc1RdhE](https://air.unimi.it/cris/rp/rp43534?open=all&sort_byall=1&orderall=desc&rppall=20&etalall=1&startall=0#.XE8Dkc1RdhE)

and

<https://scholar.google.it/citations?user=9eVJT1IAAAJ&hl=en>

Selected publication from the last 5 years :

- Spanu, F., Scherm, B., Camboni, I., Balmas, ..., Pasquali M, Migheli Q. (2018) FcRav2, a gene with a ROGDI domain involved in Fusarium head blight and crown rot on durum wheat caused by *Fusarium culmorum*. **Molecular Plant Pathology** 19, 677-688.
- El Jarroudi, M., Kouadio, L., Bock, C. H., El Jarroudi, M., Junk, J., Pasquali, M., et al. (2017). A Threshold-Based Weather Model for Predicting Stripe Rust Infection in Winter Wheat. **Plant Disease** 101, 693-703.
- Pasquali M, Serchi T, Cocco E., Leclercq C., Planchon S., Guignard, C. Renault J, Hoffmann L. (2016) A strains-comparative proteomic approach identifies regulatory pathways specifically triggered by agmatine in *Fusarium graminearum*. **JOURNAL OF PROTEOMICS** 137:107-116.
- Pasquali M, Beyer M, Audenaert A, Balmas V, Basler R, Boutigny AL, Chrpová J, Czembor E, Gagkaeva T, González-Jaén MT, Hofgaard IS, Köycü D, Levic J, Garcia P, Miedaner T, Migheli Q, Moretti A, Müller M, Munaut F, Parikka P, Pallez M, Scauflaire J, Scherm B, Stanković S, Thrane U, Uhlig S, Vanheule A, Yli-Mattila T, Vogelgsang S. (2016) A European database of *Fusarium graminearum* and *F. culmorum* trichothecene genotypes. **FRONTIERS IN MICROBIOLOGY** DOI: 10.3389/FMICB.2016.00406
- Balmas V, Scherm B, Marcello A, Beyer M, Hoffmann L, Migheli Q, Pasquali M (2015) Fusarium species and chemotypes associated with Fusarium Head Blight and Fusarium Root Rot on wheat in Sardinia **PLANT PATHOLOGY**. 64: 972-979
- Pasquali M, Migheli Q (2014) Genetic approaches to chemotype determination in type B-trichothecene producing Fusaria **INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY** 189: 164-182.
- Beyer M, Pogoda F, Pallez M, Lazic J, Hoffmann L, Pasquali M (2014) Evidence for a reversible drought induced shift in the species composition of mycotoxin producing Fusarium head blight pathogens isolated from symptomatic wheat heads. **INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY** 182-183: 51-56

- Presentations at conferences and seminars** Presented more than 80 scientific works in national and international conferences. He has given invited talks in USA, Europe and Asia.
- Projects** Represented Luxembourg for national and international projects in the plant pathology domain. Participated to national and european projects (Marie Curie, Branco Weiss Fellowship, OECD, Regione Piemonte, FNR Lussemburgo, FP5, Fp6 and Fp7).  
Currently is involved in the following projects :  
HUPLANT- Cost Action, MC member  
FOOWADE- departemental project  
F2F- project funded by Fondazione Cariplo
- Honours and awards**
- 2016 Winner of the “meet the scientist challenge” (FNR) to produce a video on the ongoing research activities (funded by FNR, Luxembourg), <https://www.youtube.com/watch?v=J4iDtFwVahE>
- 2012 Winner of the “1<sup>st</sup> Luxembourg Science SLAM” - Contemporary Art Museum, Luxembourg
- 2000 Gold medal for “the best biotechnological thesis” at the University of Torino (year 1999-2000).
- Memberships** Member of the Italian Society of Plant Pathology and the italian Association of Biotechnologists.
- Courses** He gave lessons and taught courses in Italian and international universities.  
Professor of postharvest disease (2016 ongoing), molecular plant pathology (2017 ongoing) and functional genomics (from 2018-2019) at the University of Milan.
- Research interests**
- Genomics, functional genomics and proteomics employed for the identification of virulence and fitness factors in the genus *Fusarium*
  - Mycotoxin contamination and its prevention: development of epidemiological models for preventing contamination using molecular methods
  - Fungicide resistance phenomena (monitoring and molecular mechanisms).
  - Diagnostics.
  - Characterization and epidemiology of fungal pathogens of agricultural interest
  - Science divulgation and analysis of communication methods in science.

**Personal information**

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section “Amministrazione trasparente”, “Consulenti e collaboratori”.

Date

21/01/2019

Signature

M.P.