

PERSONAL INFORMATION

Matias Pasquali

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CURRENT POSITION

Associate Professor of Plant Pathology

WORK EXPERIENCE

- 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

- 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 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 2018: member of the quality of research group of the department

ADDITIONAL INFORMATION

Publication

Author >180 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

and

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

Recent selected publication:

- Saracchi, M. et al. (2023) Molecular Characterization of *Ciborinia camelliae* Kohn Shows Intraspecific Variability and Suggests Transcontinental Movement of the Pathogen. *Microorganisms* 11, 2727
- Mattei, V., et al. (2022). Wheat Seed Coating with *Streptomyces* sp. Strain DEF39 Spores Protects against *Fusarium* Head Blight. *Microorganisms* 10, 1536
- Kulik, T., et al. (2022). Whole-genome single nucleotide polymorphism analysis for typing the pandemic pathogen *Fusarium graminearum* sensu stricto. *Front Microbiol* 13, 885978. doi: 10.3389/fmicb.2022.885978.
- Degradi, L., et al. (2021). Telomere to Telomere Genome Assembly of *Fusarium musae* F31, Causal Agent of Crown Rot Disease of Banana. *Mol Plant Microbe Interact* 34, 1455-1457.
- S De Benedetti, et al. (2021) Valorization of Okara by Enzymatic Production of Anti-Fungal Compounds for Plant Protection. *Molecules* 26 (16), 4858
- Geiser, D. M., et al. (2020). Phylogenomic analysis of a 55.1 kb 19-gene dataset resolves a monophyletic *Fusarium* that includes the *Fusarium solani* Species Complex. *Phytopathology*®. doi: 10.1094/PHYTO-08-20-0330-LE.
- Pasquali M, et al. (2020) Searching molecular determinants of sensitivity differences towards four demethylase inhibitors in *Fusarium graminearum* field strains *PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY* 164: 209-220

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

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 :
PRIN2020 - Project Mycendea ; PRIN2022 - Project Taklpat ; COST ACTION ROOTBENEFIT (2023-2027) ; PNRR AGRITECH - Spoke 3 ; PNRR Partenariato Esteso ONFOODS Spoke 3.

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 “1st 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 biobased approaches for crop protection (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* and other pathogenic fungi
- 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.
- Biocontrol application : use of microorganisms against toxigenic fungi.

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

Signature

01/10/2023

M.P.

