Ilaria Martino

Date of birth:

Nationality: Italian

Sex: Female

CONTACT

WORK EXPERIENCE

1 JAN 2024 – CURRENT Grugliasco (TO), Italy

Postdoctoral researcher Department of Agricultural, Forest and Food Science (DISAFA) – Università degli Studi di Torino

Research project: "Fungal postharvest pathogens of apple in a climate change scenario: PRediction models, Epidemiological studies and sustainable control STrategies (PREST.APPLES)." - PRIN 2022 - 2022RBAHK8.
Supervisor: Prof. Vladimiro Guarnaccia

8 MAY 2024 – 24 MAY 2024 Bologna, Italy

Visiting training Department of Agri-Food Science and Technology (DISTAL) – Università di Bologna

Research project: "CLARITY - CoLletotrichum Assessment and Re-evaluation to Improve the knowledge on plant pathogenic species recently reviewed in their TaxonomY (GP/EFSA/PLANTS/2023/06 – Experimental and observational evidence to reduce knowledge gaps for risk assessment of new and emerging plant pests. Period 19/12/2023 - 18/12/2026)".

Training on bioinformatics and fungal genomics.
Supervisor: Prof. Riccardo Baroncelli

1 OCT 2023 – 31 DEC 2023 Grugliasco, Italy

Research fellow Agroinnova, Interdepartmental Centre for the Innovation in the Agro-Environmental Sector

Research fellowship: "Research Agreement Agroinnova -Keyplex: Etiology and control of *Colletotrichum* diseases on citrus in Florida".
Bando 05B/2023/AGROINNOVA.
Supervisor: Prof. Vladimiro Guarnaccia

1 OCT 2020 – 30 SEP 2023 Grugliasco (TO), Italy

PhD student - Doctorate in Agricultural, Forest and Food Science (XXXVI cycle) Agroinnova, Centre for the Innovation in the Agro-Environmental Sector

Reaserch project: “Fungal species causing wood infections of apple, hazelnut and berry-fruit plants”.
Tutor: Prof. Maria Lodovica Gullino

22 AUG 2022 – 2 DEC 2022 Cologne, Germany

Research stage University of Cologne

Research project: "Oxford Nanopore sequencing for 16S profiling to assess the manipulation of bacterial SynCom by AMPs".
Supervisor: Prof. Bart Thomma

1 SEP 2019 – 30 SEP 2020 Grugliasco (TO), Italy

Research fellow Agroinnova, Centre for the Innovation in the Agro-Environmental Sector

Research fellowship: “Protection of fruit and vegetable crops”.
Bando 03B/2019/AGROIN.
Supervisor: Prof. Maria Lodovica Gullino

1 MAR 2019 – 31 AUG 2019 Grugliasco (TO), Italy

Experimental thesis in Plant Pathology for the Master's degree in Plant biotechnology
Department of Agricultural, Forest and Food Science (DISAFA) – Università degli Studi di Torino

Research fields:

- Molecular characterization of fungal species belonging to the genus *Colletotrichum* through PCR analyses and multi-locus phylogeny
- Pathogenicity tests of *Colletotrichum* species on several host plants.

Tutor: Prof. Vladimiro Guarnaccia

1 JUN 2018 – 31 JUL 2018 Grugliasco (TO), Italy

Internship in Plant Pathology for the Master's degree in Plant biotechnology
Department of Agricultural, Forest and Food Science (DISAFA) – Università degli Studi di Torino

Research field: molecular characterization of *Paramyrothecium roridum*, *Paramyrothecium nigrum*, *Albifimbria verrucaria* strains collected from leafy vegetables through species-specific PCR and phylogeny.
Supervisor: Prof. Maria Lodovica Gullino

1 MAR 2017 – 31 MAY 2017 Torino, Italy

Internship in Plant Physiology for the Bachelor's degree in Biological science

Department of Life Sciences and System Biology (DBIOS) – Università degli Studi di Torino

Research field: extraction of proanthocyanidins (PAC) from market available supplements and qualitative/ quantitative analyses through spectrophotometric assay (DMAC) and high pressure liquid chromatography (HPLC).
Supervisor: Prof. Massimo Emilio Maffei

EDUCATION AND TRAINING

SEP 2017 – NOV 2019 Grugliasco (TO), Italy

Master's degree in Plant biotechnology Department of Agricultural, Forest and Food Science (DISAFA) – Università degli Studi di Torino

Class of Master's degree – LM6
Master's thesis title: "Species diversity of Colletotrichum strains associated with Lamiaceae: characterization and pathogenicity".

Final grade110/110 cum laude

SEP 2018 – FEB 2019 Còrdoba , Spain

Erasmus+ ETSIAM - Universidad de Còrdoba

SEP 2014 – JUL 2017 Torino, Italy

Bachelor's degree in Biological science Department of Life Sciences and System Biology (DBIOS) – Università degli Studi di Torino

Class of Bachelor's degree – L13
Bachelor's thesis title: "Glucosinolates: general aspects and functional role".

Final grade103/110

SEP 2009 – JUN 2014 Saluzzo (CN), Italy

Diploma certifying the results of the State exam Liceo Classico "G.B. Bodoni"

Final grade86/100

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening B1
Spoken production B2
Reading B2
Spoken interaction B2
Writing B2

Spanish

Listening B1
Spoken production B1
Reading B2
Spoken interaction B1
Writing B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Power Point | Google Drive | Zoom | Skype | Instagram | Google Docs

COMMUNICATION SKILLS

Good listener and communicator

ORGANISATIONAL / MANAGERIAL SKILLS

Team-work oriented | Motivated | Organizational and planning skills

PUBLICATIONS

Scientific Publications

• Gusella, G., Gugliuzzo, A., Guarnaccia, V., **Martino, I.**, Aiello, D., Costanzo, M. B., ... & Polizzi, G., 2024. Fungal species causing canker and wilt of *Ficus carica* and evidence of their association by bark beetles in Italy. *Plant Disease* 108: 2136-2147. (ISI= Q1; IF= 4.4; citazioni = 0)
• Piattino, V., Aiello, D., Dardani, G., **Martino, I.**, Flores, M., Aćimović, S. G., Spadaro, D., Polizzi, G., & Guarnaccia, V., 2024. *Lasiodiplodia iraniensis* and *Diaporthe* spp. are associated with twig dieback and fruit stem-end rot of sweet orange, *Citrus sinensis*, in Florida. *Horticulturae* 10: 406, doi: 10.3390/ horticulturae10040406. (ISI= Q1; IF= 3.1; citazioni = 1)
• **Martino, I.**, Lione, G., Garbelotto, M., Gonthier, P., & Guarnaccia, V., 2024. Modeling the effect of temperature on the severity of blueberry stem blight and dieback with a focus on *Neofusicoccum parvum* and cultivar susceptibility. *Horticulturae* 10: 363, doi: 10.3390/horticulturae10040363. (ISI= Q1; IF= 3.1; citazioni = 1)
• Garibaldi, A., Bertetti, D., **Martino, I.**, & Gullino, M. L., 2024. First report of Botrytis blight caused by *Botrytis cinerea* on *Plectranthus scutellarioides* in Italy. *Plant Disease* 108: 805, https://doi.org/10.1094/PDIS-09-23-1932-PDN. (ISI= Q1; IF= 4.4; citazioni = 0)
• **Martino, I.**, Monchiero, M., Gullino, M. L., & Guarnaccia, V., 2024. Characterization and pathogenicity of fungal species associated with hazelnut trunk diseases in North-western Italy. *Journal of Plant Pathology*, doi: 10.1007/ s42161-024-01595-2. Correction: 10.1007/s42161-024-01617-z. (ISI= Q2; IF= 2.2; citazioni = 0)
• **Martino, I.***, Augustì-Brisach, C., Nari, L., Gullino M.L., Guarnaccia V., 2024. Characterization and pathogenicity of fungal species associated with dieback of apple trees in Northern Italy. *Plant Disease* 108: 311 – 331, doi: 10.1094/PDIS-04-23-0645-RE. (ISI= Q1; IF= 4.4; citazioni = 9)
• Garibaldi, A., Luongo, I., Bertetti, D., **Martino, I.**, Valfrè, P., & Gullino, M. L., 2024. First report of *Botrytis cinerea* on leaves of some old rhododendron (*Rhododendron arboreum*) plants grown in Northern Italy. *Journal of Plant Pathology* 1: 1, https://doi.org/10.1007/s42161-024-01647-7. (ISI= Q2; IF= 2.2; citazioni = 0)
• Garibaldi, A., Bertetti, D., **Martino, I.**, Luongo, I., Gullino M.L., 2024. First report of *Heterophoma verbasci-densiflori* on *Verbascum chaixii* “Album” in Italy. *Journal of Plant Pathology* 106: 289, doi: 10.1007/ s42161-023-01539-2. (ISI= Q2; IF= 2.2; citazioni = 0)
• Sanna, M., **Martino, I.**, Guarnaccia, V., Mezzalama, M., 2023. Diversity and pathogenicity of *Fusarium* species associated with stalk and crown rot in maize in Northern Italy. *Plants* 12: 3857, doi: 10.3390/plants12223857. (ISI= Q1; IF= 4.0; citazioni = 2)
• **Martino, I.**, Tabone, G., Giordano, R., Gullino, M.L., Guarnaccia, V., 2022. First report of *Diaporthe eres* causing stem blight and dieback on highbush blueberry (*Vaccinium corymbosum*) in Italy. *Plant Disease* 107: 1236, doi: 10.1094/PDIS-07-22-1673-PDN. (ISI= Q1; IF= 4.5; citazioni = 6)
• **Martino, I.**, Crous, P.W., Garibaldi, A., Gullino, M.L., Guarnaccia, V., 2022. A SYBR Green qPCR assay for specific detection of *Colletotrichum ocimi*, which causes black spot of basil. *Phytopathologia Mediterranea* 16: 405 – 413, doi: 10.36253/phyto-13606. (ISI= Q2; IF= 2.4; citazioni = 1)
• Guarnaccia, V., **Martino, I.**, Tabone, G., Crous, P.W., Gullino, M.L., 2022. *Paraphoma garibaldii* sp. nov. causing leaf spot disease of *Campanula rapunculoides* in Italy. *Fungal Systematics and Evolution* 9: 19 – 26, doi: 10.3114/ fuse.2022.09.03. (ISI= -; IF= -; citazioni = 1)

• Guarnaccia, V., **Martino, I.**, Brondino, L., Gullino, M.L., 2022. *Paraconiothyrium fuckelii*, *Diaporthe eres* and *Neocosmospora parceramosa* causing cane blight of red raspberry in Northern Italy. *Journal of Plant Pathology* 104: 683 – 698, doi: 10.1007/s42161-022-01068-4. (ISI= Q2; IF= 2.2; citazioni = 13)
• Guarnaccia, V., **Martino, I.**, Brondino, L., Gullino, M.L., 2021. Leaf anthracnose and defoliation of blueberry caused by *Colletotrichum helleniense* in Northern Italy. *Phytopathologia Mediterranea* 60: 479 – 491, doi: 10.36253/phyto-12377. (ISI= Q3; IF= 1.788; citazioni = 2)
• Guarnaccia, V., **Martino, I.**, Gilardi, G., Garibaldi, A., Gullino, M.L, 2021. High fungal species diversity in association with woody ornamental plants: *Colletotrichum* as a case study. In *IV International Symposium on Woody Ornamentals of the Temperate Zone*. *Acta Horticolturae* 1331: 293 – 302, doi: 10.17660/ActaHortic.2021.1331.39. (ISI= -; IF= -; citazioni = 0)
• Mezzalama, M., Guarnaccia, V., **Martino, I.**, Tabone, G., Gullino, M.L., 2021. First report of *Fusarium commune* causing root and crown rot on maize in Italy. *Plant Disease* 105: 4156, doi: 10.1094/ PDIS-01-21-0075-PDN. (ISI= Q1; IF= 4.614; citazioni = 8)
• Guarnaccia, V., **Martino, I.**, Gilardi, G., Garibaldi, A., Gullino, M.L., 2021. *Colletotrichum* spp. causing anthracnose on ornamental plants in Northern Italy. *Journal of Plant Pathology* 103: 127 – 137, doi: 10.1007/s42161-020-00684-2. (ISI= Q2; IF= 2.643; citazioni = 26)
• Guarnaccia, V., **Martino, I.**, Tabone, G., Brondino, L., Gullino, M.L., 2020. Fungal pathogens associated with stem blight and dieback of blueberry in Northern Italy. *Phytopathologia Mediterranea* 59: 229 – 245, doi: 10.14601/Phyto-11278. (ISI= Q2; IF= 2.020; citazioni = 25)
• Guarnaccia, V., Gilardi, G., **Martino, I.**, Garibaldi, A., Gullino, M.L., 2019. Species diversity in *Colletotrichum* causing anthracnose of aromatic and ornamental Lamiaceae in Italy. *Agronomy* 9: 613, doi: 10.3390/agronomy9100613. (ISI= Q1; IF= 2.603; citazioni = 32)

Other Publications

• **Martino, I.**, Tabone, G., Giordano, R., Gullino, M.L., Guarnaccia, V., 2024. Disseccamenti del mirtillo causati da *Diaporthe eres*. Protezione delle colture, in stampa.
• **Martino, I.**, Guarnaccia, V., Garibaldi, A., Gullino, M.L., 2023. Patogeni fungini associati ai cancri del melo in Piemonte. Protezione delle colture 16 (3): 9 – 11.
• Bertetti, D., **Martino, I.**, Gullino, M.L., Garibaldi, A., 2023. Presenza di *Botrytis cinerea* su piante di *Plectranthus scutellarioides* in Italia. Protezione delle colture 16 (3): 19 – 20.
• Bertetti, D., Luongo, I., **Martino, I.**, Gullino, M.L., Garibaldi, A., 2023. Attacchi di *Botrytis cinerea* su alcune vecchie piante di rododendro (*Rododenron arboreum*) in Piemonte. Protezione delle colture 16 (5):12 – 13.
• **Martino, I.**, Guarnaccia, V., Garibaldi, A., Gullino, M.L., 2022. Diagnostica rapida per la rilevazione di *Colletotrichum ocimi* su basilico. Protezione delle colture 2: 19.
• Guarnaccia, V., **Martino, I.**, Garibaldi, A., Gullino, M.L., 2021. Antracnosi fogliare delle piante di mirtillo (Vaccinium corymbosum) causate da *Colletotrichum helleniense* in nord Italia. Protezione delle Colture 2: 27 – 28.
• Guarnaccia, V., **Martino, I.**, Garibaldi, A., Gullino, M.L., 2021. Diversità in specie di *Colletotrichum* agenti di antracnosi. Protezione delle colture 2: 7 – 10.
• Guarnaccia, V., Gilardi, G., **Martino, I.**, Garibaldi, A., Gullino, M.L., 2020. Diversità interspecifica in una popolazione di ceppi di *Colletotrichum* associati a Lamiaceae: caratterizzazione e patogenicità. Protezione delle colture 2: 20 – 21.

CONFERENCES & SEMINARS

International and National Congresses

• **Martino, I.**, Piattino, V., Maspero, M., De Gregorio, T., Spadaro, D., Guarnaccia, V., 2024. "Mal dello stacco": a serious threat to hazelnut and preliminary attempts to develop biological control. XXIX Congress of the Italian Society of Plant Pathology (SIPaV). Trento, September 9 – 11, 2024. Poster presentation.
• Di Francesco, A., Sadallah, A., Mosca, S., Malacrinò, A., **Martino, I.**, Guarnaccia, V., Spadaro, D., Camardo Leggieri, M., Battilani, P., 2024. Fungal postharvest pathogens of apple in a climate change scenario: PRediction models, Epidemiological studies and sustainable control STrategies (PREST.APPLES). XXIX Congress of the Italian Society of Plant Pathology (SIPaV). Trento, September 9 – 11, 2024. Poster presentation.
• Fiorenzani, C., Menicucci, A., **Martino, I.**, Iacono, S., Thon, Sukno, S., Vogan, A., Ratti, C., Baroncelli, R., 2024. The genomic landscape of repetitive elements in *Colletotrichum*: Implications for evolution and virulence. XXIX Congress of the Italian Society of Plant Pathology (SIPaV). Trento, September 9 – 11, 2024. Poster presentation.
• **Martino, I.**, Monchiero, M., Gullino, M.L., Guarnaccia, V., 2023. Characterization of fungal pathogens associated with fungal trunk diseases of hazelnut in Northern Italy. XXVIII Congress of the Italian Society of Plant Pathology (SIPaV). Napoli, September 18 – 20, 2023. Oral presentation – Young researchers in training.
• Menicucci, A., Zapparata, A., **Martino, I.**, Becerra, S., Sukno, S.A., Thon, M.R., Prodi, A., Guarnaccia, V., Talhinhas, P., Barocelli, R., 2023. Can whole genome sequencing approach resolve taxonomic ambiguities in fungi? The *Colletotrichum* case study. XXVIII Congress of the Italian Society of Plant Pathology (SIPaV). Napoli, September 18 – 20, 2023. Oral presentation – Young researchers in training.

• Sanna, M., **Martino, I.**, Guarnaccia, V., Spadaro, D., Mezzalama, M., 2023. Characterization of *Fusarium* species diversity causing crown and stalk rot on maize in Northern Italy. XXVIII Congress of the Italian Society of Plant Pathology (SIPaV). Napoli, September 18 – 20, 2023. Oral presentation.
• **Martino, I.**, 2023. Species diversity in *Colletotrichum* causing anthracnose on Lamiaceae and SYBR Green qPCR assay for the species-specific detection of *C. ocimi*. XVI European Conference on Fungal Genetics. *Colletotrichum* workshop. Innsbruck, March 4 – 8, 2023. Oral presentation.
• **Martino, I.**, Crous, P.W., Garibaldi, A., Gullino, M.L., Guarnaccia, V., 2022. Development and validation of a SYBR Green qPCR assay for the specific detection of *Colletotrichum ocimi*, causal agent of black spot on basil. XXVII Congress of the Italian Society of Plant Pathology (SIPaV). Palermo, September 21 – 23, 2022. Poster presentation.
• Guarnaccia, V., **Martino, I.**, Brondino, L., Gullino, M.L., 2022. *Paraconiothyrium fuckelii*, *Diaporthe eres* and *Neocosmospora parceramosa* causing cane blight of red raspberry in Northern Italy. XXVII Congress of the Italian Society of Plant Pathology (SIPaV). Palermo, September 21 – 23, 2022. Poster presentation.
• **Martino, I.**, Agustí-Brisach, C., Gullino M.L., Guarnaccia V., 2022. Characterization and pathogenicity of fungal species associated with dieback of apple trees in Northern Italy. XXVII Congress of the Italian Society of Plant Pathology (SIPaV). Palermo, September 21 - 23, 2022. Oral presentation.
• Guarnaccia, V., **Martino, I.**, Garibaldi, A., Gullino, M.L, 2021. Aetiology of emerging diseases of blueberry and investigation of germplasm as a base for sustainable management. II Convegno AISSA#Under40. Sassari, July 1 – 2, 2021. Poster presentation – online.
• Guarnaccia, V., **Martino, I.**, Tabone, G., Brondino, L., Gullino, M.L., 2020. Stem blight and dieback of blueberry in Northern Italy. European PhD network "Insect in Science" – XI annual meeting. Zoom meeting, November 30 – December 2, 2020. Oral presentation.

EDITORIAL ACTIVITIES

• Member of the Young Editorial Board (YEB) of the Journal of Plant Pathology.

• Active reviewer for Journal of Plant Pathology, Plant Disease and Journal of Fungi.

TEACHING ACTIVITIES

• Academic year 2018-2019: Support to practical activities for the courses 'Applied Plant Biology Laboratory' and 'Cellular Plant Biology'- Degree in Biological Sciences. Bando per collaborazioni studenti art.11 - Scuola di Scienze della Natura.
• Academic year 2021-2022: Support to practical activities for the course 'Plant Pathology' - Degree in Agricultural Sciences and Technologies. BANDO 98/2021/DID/DISAFA.
• Academic year 2021-2022: Support to practical activities for the course 'Post-harvest Pathology' - Degree in Food Technology. BANDO 98/2021/DID/DISAFA.
• Academic year 2021-2022: Public engagement activities in collaboration with the Agroinnova - Centre of competence for the innovation in the agro-environmental field - Università degli Studi di Torino, Grugliasco (TO, Italy) - IRIS identifiers: PEN-10688, PEN-12176, PEN-12186, PEN-18202.

OTHER ACTIVITIES

• Member of the Italian Society of Plant Pathology (SIPaV) since 2021.
• Member of the American Phytopathological Society (APS) since 2024.

• Partecipation to the "APS Research Ethics" 14 hour course (August 31 - November 30, 2021).

• Awarded with the "Young researcher in training" contribution for attending the XXVIII Congress of the Italian Society of Plant Pathology (SIPaV) in 2023.
• Awarded with the best video contribution in the "Plant Health" category by the Global Plant Council and *Plants, People, Planet* within the #PlantSciVid competition in 2020.

Grugliasco, 16/09/2024