

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	ANDREA GENRE	
Address	DIPARTIMENTO DI SCIENZE DELLA VITA E BIOLOGIA DEI SISTEMI, VIALE P.A. MATTIOLI 25, 10125 TORINO	
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E-mail	andrea.genre@unito.it	
Nationality	Italian	
Date of Birth	12/12/1970	
Gender	male	

WORK EXPERIENCE

- Dates (from - to) November 2014 - present
- Name and address of the employer University of Torino, Dipartimento di Scienze della Vita e Biologia dei Sistemi
 - Type of business or sector
 - Occupation or position held **Associate professor**
- Main activities and responsibilities

- Dates (from - to) October 2007 - October 2014
- Name and address of the employer University of Torino, Dipartimento di Scienze della Vita e Biologia dei Sistemi
 - Type of business or sector
 - Occupation or position held **Assistant professor**
- Main activities and responsibilities

- Dates (from - to) October 2001-2007
- Name and address of the employer University of Torino, Dipartimento di Scienze della Vita e Biologia dei Sistemi
 - Type of business or sector
 - Occupation or position held **Research assistant**
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from - to) 16.1.2006
- Name and type of organisation providing education and training University of Torino
- Principal subjects/occupational skills covered Signalling events in arbuscular mycorrhizas: host plant cell responses
- Title of qualification awarded **PhD** in Fungal Biology and Biotechnology

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

4.7.1995
University of Torino

Plant biology

Master degree in Biology

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
ENGLISH
FRENCH
SPANISH

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

- Biology and biotechnology of plant-microbe interactions
- Cellular and molecular interactions in plant-fungus associations; cellular bases of arbuscular mycorrhizal symbiosis; characterization of signaling molecules in symbiotic plant-fungus interactions; field application of arbuscular mycorrhizas as biofertilisers.
- Author of 92 publications in scientific journals and 19 book chapters
- Active lecturer in 8 national and international academic courses, including bachelor, master and PhD degree studies
- Over 100 communications at national and international congresses, including 25 invited talks
- Supervisor of 3 Postdocs; 3 PhD students, over 40 master and bachelor students
- Editor for *The New Phytologist*
- Speciality Chief Editor for *Frontiers in Plant Science - Plant Symbiotic Interactions*
- Editorial Board Member for *Mycorrhiza*
- Associate Faculty Member for *Faculty of 1000*
- Review Panel Member in several national and international funding agencies: ESF (EU), ANR (France), FSR (Belgium), ERA-CAPS (EU), ANVUR (Italy), FWF (Austria), Università degli Studi dell'Insubria (Italy), NSF (USA), NWO (Netherlands),
- member of several PhD evaluation committees (Padova, Italy; Grenoble, France; Sophia Antipolis, France; Turin, Italy).
- Peer reviewer for several international journals (The Plant Cell; Plant Physiology; Molecular Plant-Microbe Interactions; PLoS ONE, New Phytologist; PNAS)
- Member of the *Italian Society for Botany*
- Member of the *International Mycorrhiza Society*
- Scientific committee of the International Molecular Mycorrhiza Meeting (IMMM)
- Organizer of the 4th IMMM in Turin, Italy, 2019

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Recent grants and projects

- As PI
- 2017-2020 AMforQuality - CRC - € 200,000
- 2018-2022 Local research grants - € 15,000
- 2012-2017 REPROGR_AM - Compagnia SanPaolo - € 75,000
- 2012-2017 Local research grants - € 25,000
- As RU member
- 2003-2012 BioBITs REGIONE PIEMONTE (CIPE) - € 3,029,000
- PRIN 2006 - MIUR - € 48,000
- TRACEAM 2005 - UE - € 170,000
- INTEGRAL 2004 - UE - € 250,000
- FIRB 2003 - MIUR - € 138,000

PUBLICATION INDEXES (SCOPUS)

- Number of scored publications: 79
- H-Index: 30
- Citations: 3975

10 MOST RELEVANT
PUBLICATIONS
In the last 10 years.

Ivanov, S., Fedorova, E.E., Limpens, E., De Mita, S., Genre, A., Bonfante, P., Bisseling, T. (2012). Rhizobium–legume symbiosis shares an exocytotic pathway required for arbuscule formation. *Proceedings of the National Academy of Sciences of the United States of America* 109(21): 8316–8321. IF: 9.737

Genre, A., Chabaud, M., Balzergue, C., Puech-Pagès, V., Novero, M., Rey, T., Fournier, J., Rochange, S., Bécard, G., Bonfante, P., Barker, D.G. (2013). Short-chain chitin oligomers from arbuscular mycorrhizal fungi trigger nuclear Ca²⁺ spiking in *Medicago truncatula* roots and their production is enhanced by strigolactone. *New Phytologist* 198(1): 190–202. IF: 6.736

Bonfante P, Genre A (2015) Arbuscular mycorrhizal dialogues: do you speak “plantish” or “fungish”? *Trends Plant Sci* 20: 150–154. IF: 9.61

Fournier J, Teillet A, Chabaud M, Ivanov S, Genre A, Limpens E, de Carvalho-Niebel F, Barker DG (2015) Remodeling of the infection chamber before infection thread formation reveals a two-step mechanism for rhizobial entry into the host legume root hair. *Plant Physiol* 167: 1233–1242. IF: 6.84

Venkateshwaran M, Jayaraman D, Chabaud M, Genre A, Allison BJ, Maeda J, Forshey K, Den Os D, Kwiecien NW, Coon JJ, et al (2015) A role for the mevalonate pathway in early plant symbiotic signaling. *Proc Natl Acad Sci U S A* 112: 9781–9786. IF: 9.42

Rasmussen SR, Füchtbauer W, Novero M, Volpe V, Malkov N, Genre A, Bonfante P, Stougaard J, Radutoiu S (2016) Intraradical colonization by arbuscular mycorrhizal fungi triggers induction of a lipochitooligosaccharide receptor. *Scientific Reports* 6: 29733. IF: 4.60

Carotenuto G, Chabaud M, Miyata K, Capozzi M, Takeda N, Kaku H, Shibuya N, Nakagawa T, Barker DG, Genre A (2017) The rice LysM receptor-like kinase OsCERK1 is required for the perception of short-chain chitin oligomers in arbuscular mycorrhizal signaling. *New Phytologist* 214: 1440–1446. IF: 7.43

Murakami E, Cheng J, Gysel K, Bozsoki Z, Kawaharada Y, Toftegaard Hjuler C, Kildegaard Sørensen K, Tao K, Kelly S, Venice F, Genre A, Boas Thygesen M, de Jong N, Vinther M, Bødker Jensen D, Jørgen Jensen K, Blaise M, Heegaard Madsen L, Røjkjær Andersen K, Stougaard J, Radutoiu S (2018) Epidermal LysM receptor ensures robust symbiotic signalling in *Lotus japonicus*. *eLife* 7: e33506. IF: 7.08

Russo G, Carotenuto G, Fiorilli V, Volpe V, Chiapello M, Van Damme D, Genre A (2019) Ectopic activation of cortical cell division during the accommodation of arbuscula mycorrhizal fungi. *New Phytologist* 221: 1036–1048. IF: 8.51

Genre A., Lanfranco L., Perotto S., Bonfante P. (2020) Unique and common traits in mycorrhizal symbioses. *Nature Reviews Microbiology* 18: 649–660. IF: 60.63

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Torino, 28.01.2022

Signature
