

# **Curriculum Vitae**

## **Personal information**

First name / Surname

**Guglielmo Gianni LIONE**

Address

Università degli Studi di Torino  
Dipartimento di Scienze Agrarie, Forestali e Alimentari (DISAFA)  
Unità Logistico-Funzionale Patologia Vegetale  
Via L. da Vinci, 44  
I-10095 Grugliasco (TO)

Telephone

+39 011 6708538

Fax

+39 011 6708557

E-mail

guglielmo.lione@unito.it

Nationality

Italian

Date of birth

27.10.1981

Gender

Male

## **Work experience**

Dates

From January 2013 to present time:

Occupation or position held  
Ph.D. student in Biology and Applied Biotechnologies with the grant of the Italian Ministry of Education, University and Research

From January 2012 to December 2012

Scientific Collaborator in Plant Pathology (contratto co.co.co)

From October 2007 to November 2011

Research fellowship in Plant Pathology (Borsa di Studio ex art. 27 dello Statuto di Ateneo)

Main activities and responsibilities  
Data collection, statistical and geostatistical data analysis, morphological and molecular diagnosis of forest plant pathogens, study of aetiology and epidemiology of forest diseases

Name and address of employer

University of Turin, via Verdi 8, I-10100, Turin

Department of Exploitation and Protection of Agricultural and Forestry Resources (DIVAPRA) and Department of Agricultural, Forest and Food Sciences (DISAFA)

Type of business or sector

Forest Pathology

## **Education and training**

Date(s)	- From 01.10.2013 to 06.11.2013 <i>Certificate of attendance for the course "Introduction to computational biology"</i> Polytechnic University of Turin
Title of qualification awarded	- From 16.09.2013 to 17.09.2013 <i>Certificate of attendance for the course "Plant Bioinformatics: an Evolutionary and Functional Approach"</i> organized by Edmund Mach Foundation and Working Groups in Cell and Molecular Biology and in Biotechnology and Differentiation of the Italian Botanical Society
Name and type of organisation providing education and training	- From 01.07.2013 to 05.07.2013 <i>Certificate of attendance for the course "Biostat 2013 International Summer School: Statistical Inference in Biology and Human Sciences"</i> organized by ASSTA (Association for Scientific and Technological Development of Asti)
	- From 17.06.2013 to 21.06.2013 <i>Certificate of attendance for the course "5<sup>th</sup> Plant Physiopathology School"</i> organized by SIPaV (Italian Society of Plant Pathology) Working Group on Plant-Microorganisms Interactions
	- From 05.03.2013 to 11.04.2013 <i>Certificate of attendance for the course "Advanced Statistics"</i> Department of Agricultural, Forest and Food Sciences, University of Turin
	- From 26.02.2013 to 28.02.2013 <i>Certificate of attendance for the course "Interactions: from molecules to ecosystems"</i> Department of Life Sciences and Systems Biology, University of Turin
	- From 25.02.2013 to 01.03.2013 <i>Certificate of attendance for the course "Inference and analysis of information flow in complex systems"</i> Department of Physics, University of Turin
	- From 19.02.2013 to 21.02.2013 <i>Certificate of attendance for the course "Next-generation sequencing: from experimental setting to computational strategies"</i> Department of Veterinary Sciences, University of Turin
	- From 24.11.2012 to 15.12.2012 <i>Certificate of attendance for the course "R software for ornithologists and environmental scientists"</i> Lega Italiana Protezione Uccelli (no profit environmental organisation)
	- From October 2007 to October 2012 <i>Master Degree in Forest and Environmental Sciences (110/110 cum laude and publication recommended)</i> University of Turin
	- From 19.11.2011 to 17.12.2011 <i>Certificate of attendance for the course "Advanced GIS open source"</i> Lega Italiana Protezione Uccelli (no profit environmental organisation)
	- 14.10.2011 <i>Certificate of attendance for the congress "Environment and GIS open source"</i> Polytechnic University of Turin
	- 26.09.2011 <i>Certificate of attendance for the congress: "Phytoiatric meetings 2011/2: diseases and stability of ornamental and forest trees"</i> Centro di Competenza per l'Innovazione in Campo Agro-ambientale Agroinnova (research institute)

- 19.05.2011  
*Certificate of attendance for the congress "English oak decline in Lombardia: present and future of English oak forests"*  
Parco Lombardo della Valle del Ticino (natural park environmental protection public institution)
- 01.12.2010  
*Certificate of attendance for the workshop "GIS software in didactics and research"*  
Polytechnic University of Turin
- From 04.10.2010 to 08.10.2010  
*Certificate of attendance for the international congress "Integrated protection in Quercus sp. forests"*  
AGRIS Sardegna (research institute)
- From 25.05.2009 to 26.05.2009  
*Certificate of attendance for the workshop "Chlorophyll fluorescence: from theory to (good) practice"*  
Centro Interdipartimentale di Ricerche Agro-ambientali Enrico Avanzi, University of Pisa
- From October 2000 to July 2007  
*Bachelor Degree in Forest and Environmental Sciences (110/110 cum laude)*  
University of Turin
- 08.10.03  
*Turin University climatology, meteorology and nivology examination certificate*  
University of Turin
- 10.07.2003  
*Turin University CAD-GIS examination certificate*  
University of Turin
- 30.06.2003  
*Cambridge University Preliminary English Test (PET)*  
Cambridge University
- 14.12.2002  
*European Computer Driving Licence*  
Associazione Italiana per l'Informatica e il Calcolo Automatico (Italian information technology association)
- 13.06.2002  
*Turin University French examination certificate*  
University of Turin
- From September 1995 to July 2000  
*Secondary Education Certificate with scientific orientation and modern languages learning (English, French) (98/100)*  
Liceo Scientifico Statale Marie Curie (secondary school)

Principal subjects/occupational skills covered

#### General

- Plant pathology, microbiology, environment and forest multifunctional and specific management
- Mathematics, statistics, GIS, information technology
- Foreign languages (English, French)

#### Occupational

- Ecologic analysis based on qualitative and quantitative parameters
- Environmental risk assessment, prevention and management
- Forest, grasses and soil management under multiples perspectives (naturalistic, productive, economic, protective, phytoiatric)
- Data collection, management, analysis, modelling and cartographic representation

<b>Personal skills and competences</b>																									
Mother tongue	<b>Italian</b>																								
Other language(s)	<b>English, French</b>																								
Self-assessment	<table border="1"> <thead> <tr> <th colspan="2"><b>Understanding</b></th> <th colspan="2"><b>Speaking</b></th> <th colspan="2"><b>Writing</b></th> </tr> <tr> <th>Listening</th><th>Reading</th><th>Spoken interaction</th><th>Spoken production</th><th> </th><th> </th></tr> </thead> <tbody> <tr> <td>B 2   Independent user</td><td>C 1   Proficient user</td><td>B 2   Independent user</td><td>C 1   Proficient user</td><td>C 1   Proficient user</td><td>C 1   Proficient user</td></tr> <tr> <td>B 2   Independent user</td><td>B 1   Independent user</td></tr> </tbody> </table>	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>		Listening	Reading	Spoken interaction	Spoken production			B 2   Independent user	C 1   Proficient user	B 2   Independent user	C 1   Proficient user	C 1   Proficient user	C 1   Proficient user	B 2   Independent user	B 1   Independent user				
<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>																					
Listening	Reading	Spoken interaction	Spoken production																						
B 2   Independent user	C 1   Proficient user	B 2   Independent user	C 1   Proficient user	C 1   Proficient user	C 1   Proficient user																				
B 2   Independent user	B 2   Independent user	B 2   Independent user	B 2   Independent user	B 2   Independent user	B 1   Independent user																				
European level (*)	(*) <a href="#">Common European Framework of Reference for Languages</a>																								
English																									
French																									
Social skills and competences	<ul style="list-style-type: none"> <li>- Team spirit</li> <li>- Ability to adapt to different social contexts both in formal and in informal situations</li> <li>- Multicultural attitude</li> <li>- Good communication skills</li> <li>- Empathic approach toward interlocutors</li> </ul> <p>All the above points have been developed during the periods spent working, studying and participating to several cultural events</p>																								
Organisational skills and competences	<ul style="list-style-type: none"> <li>- Methodology and discipline in organising and coordinating tasks</li> <li>- Flexibility in adapting to changes in situations, targets and methods</li> <li>- Ability to exploit in a synergic way human capital, instruments and processes respecting the deadlines and the budgets</li> </ul> <p>These skills have been acquired while working at the university</p>																								
Technical skills and competences	<ul style="list-style-type: none"> <li>- Good knowledge of basic and advanced laboratory techniques for the isolation and identification of microorganisms based on micro-morphological and molecular analysis</li> <li>- Excellent command of GPS mobile instruments</li> </ul> <p>These abilities have been learnt in laboratory and in field while working at the university</p>																								
Computer skills and competences	<ul style="list-style-type: none"> <li>- Good command in the main Microsoft Office™ applications (Word™, Excel™, Power Point™, Access™) and in the main internet browser (Internet Explorer™, Mozilla Firefox™, Google Chrome™)</li> <li>- Detailed knowledge of CAD and GIS tools (Autocad™, ArcGis Desktop™, Quantum GIS™, Grass GIS™, CrimeStat™)</li> <li>- Excellent use of the basic and advanced functions of statistical packages R™, SPSS™, Statistica™, XLSTAT™, StatXact™</li> <li>- Good knowledge of imaging techniques (Adobe Photoshop™)</li> </ul> <p>These competences have been acquired by studying and working at the university and by attending seminars and courses</p>																								
Other skills and competences	<ul style="list-style-type: none"> <li>- Alpinism and alpine ski</li> </ul>																								
Driving licence	<ul style="list-style-type: none"> <li>- Category B</li> </ul>																								

## **Additional information**

### **Complete list of academic publications:**

#### **- Papers published on international ISI journals with impact factor**

Giordano L., Gonthier P., **Lione G.**, Capretti P., Garbelotto M., 2014, *The saprobic and fruiting abilities of the exotic forest pathogen Heterobasidion irregularare may explain its invasiveness*, Biological Invasions 16(4): 803-814. (IF: 2.509)

Gonthier P., Brun F., **Lione G.**, Nicolotti G., 2012, *Modelling the incidence of Heterobasidion annosum butt rots and related economic losses in alpine mixed naturally regenerated forests of northern Italy*, Forest Pathology 42: 57-68. (IF: 1.74)

Gonthier P., **Lione G.**, Giordano L., Garbelotto M., 2012, *The American forest pathogen Heterobasidion irregularare colonizes unexpected habitats after its introduction in Italy*, Ecological Applications 22: 2135-2143. (IF: 5.102)

#### **- Abstracts published on international ISI journals with impact factor**

Gonthier P., Luchi N., Petrucco Toffolo E., Balestrini R., Colazza S., Faccoli M., Garbelotto M., Giorcelli A., Giordano L., Guarino S., Guglielmo F., **Lione G.**, Loreto F., Mello A., Michelozzi M., Pepori A.L., Santini A., Sillo F., Vizzini A., Zampieri E., 2013. *DEFINE: a multidisciplinary research project to investigate the effects of exotic plant pathogenic fungi and insects on native ecosystems*, Journal of Plant Pathology, 95(S4): 46. (IF: 0.912)

Giordano L., Garbelotto M., Michelotti S., **Lione G.**, Capretti P., Gonthier P., 2012, *Comparative pine log inoculation experiments suggest that saprobic ability is a key factor driving the invasion of Heterobasidion irregularare in Italy*, Journal of Plant Pathology 94 (4 Supplement): S4.63. (IF: 0.912)

Gonthier P., **Lione G.**, Giordano L., Garbelotto M., 2012, *GIS-based analysis indicates the exotic pine-associated forest pathogen Heterobasidion irregularare may colonize broadleaf stands in Italy*, Journal of Plant Pathology 94 (4 Supplement): S4.48. (IF: 0.912)

Gonthier P., Anselmi N., Capretti P., Bussotti F., Feducci M., Garbelotto M., Giordano L., Guglielmo F., Honorati T., **Lione G.**, Luchi N., Mancini V., Michelotti S., Michelozzi M., Nicolotti G., Paparatti B., Pollastrini M., Speranza S., Vettraino A.M., 2011, *A comprehensive approach to study the impact and the epidemiology of the invasive forest pathogen Heterobasidion irregularare in Italy*, Journal of Plant Pathology 93 (4, Supplement): S4.34. (IF: 0.912)

#### **- Papers published on international journals with referees committee**

**Lione G.**, Ebone A., Petrella F., Terzuolo P., Gonthier P., Nicolotti G., 2012, *Decline of Quercus robur forests in northwestern Italy: current situation and tentative aethiology*, IOBC/wprs Bulletin 76: 67-70.

**Lione G.**, Nicolotti G., Gonthier P., 2012, *Effectiveness of environmental friendly control strategies against powdery mildew on oak seedlings in natural forests*, IOBC/wprs Bulletin 76: 121-127.

#### **- Abstracts published on international journals with referees committee**

Gonthier P., Luchi N., Petrucco Toffolo E., Balestrini R., Colazza S., Faccoli M., Garbelotto M., Guarino S., Giordano L., Guglielmo F., **Lione G.**, Loreto F., Mello A., Michelozzi M., Pepori A.L., Santini A., Sillo F., Vizzini A., Zampieri E., 2013, *Investigating the effects of invasive fungal plant pathogens and phytophagous insects on native plants, pathogens, phytophagous insects and symbionts: toward an holistic understanding of biological invasions*, Acta Phytopathologica Sinica 43 (Suppl.): 264-265.

#### **- Papers published on proceedings of international congresses**

Giordano L., **Lione G.**, Nicolotti G., Gonthier P., 2013, *Effect of Heterobasidion annosum s.l. root and butt rots on the stability of Norway spruce: an uprooting test*. In: Capretti P., Comparini C., Garbelotto M., La Porta N., Santini A., Proceedings of the XIII Conference on Root and Butt Rot of Forest Trees. Firenze (FI) – S. Martino di Castrozza (TN), Italy, 4th -10th September 2011, University Press, Firenze: 111-113.

Gonthier P., Anselmi N., Capretti P., Bussotti F., Feducci M., Garbelotto M., Giordano L., Guglielmo F., Honorati T., **Lione G.**, Luchi N., Mancini V., Michelotti S., Michelozzi M., Nicolotti G., Paparatti B., Pollastrini M., Vettraino A.M., 2013, *A comprehensive approach to investigate the invasion by Heterobasidion irregulare in Italy and its interaction with H. annosum*. In: Capretti P., Comparini C., Garbelotto M., La Porta N., Santini A., Proceedings of the XIII Conference on Root and Butt Rot of Forest Trees. Firenze (FI) – S. Martino di Castrozza (TN), Italy, 4th -10th September 2011, University Press, Firenze: 247-248.

- Papers published on national journals with referees committee

Sidoti A., **Lione G.**, Guglielmo F., Giordano L., Pasotti L., Gonthier P., 2013, *Indagini preliminari sulla struttura e sulla distribuzione delle popolazioni di Armillaria mellea e Heterobasidion annosum associate a piante deperienti di Betula aetnensis in Sicilia*, Micologia Italiana, 1-2-3: 68-78.

Gonthier P., **Lione G.**, Borgogno Mondino E.C., 2012, *Valutazione dello stato sanitario delle piante forestali: quali prospettive dal telerilevamento nel visibile e nell'infrarosso?*, Forest@ 9: 89-102.

Gonthier P., **Lione G.**, Nicolotti G., Ebone A., Terzuolo P.G., 2012, *Il deperimento dei querco-carpineti planiziali*, Sherwood 187: 25-30.

- Abstracts presented in congresses or workshops:

Giordano L., Garbelotto M., Michelotti S., **Lione G.**, Capretti P., Gonthier P., 2012, *Comparative pine log inoculation experiments suggest that the saprobic ability is a key factor driving the invasion of Heterobasidion irregulare in Italy*, XVIII Convegno Nazionale Società Italiana di Patologia Vegetale, Sassari, 24-26 settembre 2012: 128.

Gonthier P., **Lione G.**, Giordano L., Garbelotto M., 2012, *GIS-based analysis indicates the exotic pine-associated forest pathogen Heterobasidion irregulare may colonize broadleaf stands in Italy*, XVIII Convegno Nazionale Società Italiana di Patologia Vegetale, Sassari, 24-26 settembre 2012: 52.

Sidoti A., **Lione G.**, Guglielmo F., Giordano L., Granata G., Pasotti P., Gonthier P., 2012, *Indagini preliminari sulla struttura delle popolazioni fungine associate al deperimento di Betula aetnensis in Sicilia*, XIX Convegno Nazionale di Micologia, Gubbio (PG), 11-12 ottobre 2012: 26.

**Lione G.**, Gonthier P., Nicolotti G., Ebone A., Giannetti F., Terzuolo G.P., 2009, *Inquadramento del fenomeno del deperimento nei querco-carpineti planiziali del Piemonte e sperimentazione di strategie di mitigazione*, 7° Congresso Nazionale SISEF. Isernia Pesche (IS) 29 settembre – 03 ottobre 2009, contributo no. #7.7.54 [online] URL: <http://www.sisef.it/sisef/main.php?action=cong&k=7&n=7&id=844>

- Papers published on local journals:

De Ferrari F., Licini F., **Lione G.**, Gonthier P., Nicolotti G., Ebone A., Terzuolo P., 2009, *Il deperimento dei querco-carpineti della pianura piemontese*, Quaderni della Regione Piemonte – Collana Agricoltura, Anno XIII n. 64 – Luglio 2009: 29-31.

- Books:

Ebone A., Giannetti F., Gonthier P., **Lione G.**, Nicolotti G., Petrella F., Terzuolo P.G., 2011, *Querco-carpineti planiziali in deperimento: linee guida per la gestione*, Regione Piemonte, 24 pp. (ISBN: 978-88-96046-03-06 book; ISBN: 978-88-96046-3 e-book online URL: [http://www.regione.piemonte.it/cgi-bin/montagna/pubblicazioni/frontoffice/pubblicazione.cgi?id\\_settore=1&id=id\\_1070&id\\_argomento=55&area=1](http://www.regione.piemonte.it/cgi-bin/montagna/pubblicazioni/frontoffice/pubblicazione.cgi?id_settore=1&id=id_1070&id_argomento=55&area=1)).

**Presentations of works in congresses:**

**Lione G.**, *Promozione e difesa della rinnovazione naturale di farnia*, convegno "Il deperimento dei Querco-carpineti planiziali: situazione attuale e indirizzi di gestione", Torino, Centro Incontri della Regione Piemonte, 29 novembre 2011, presentation available at:  
[online] URL: <http://www.regione.piemonte.it/foreste/cms/it/home/400.html>. (oral presentation)

**Lione G.**, Nicolotti G., Gonthier P., *Effectiveness of environmental friendly control strategies against powdery mildew on oak seedlings in natural forests*, 6<sup>th</sup> Meeting Working Group "Integrated Protection in *Quercus* spp. Forests", Agris Research Center, Tempio Pausania, Italy, 4-8 ottobre 2010. (oral presentation)

**Lione G.**, Ebone A., Petrella F., Terzuolo P., Gonthier P., Nicolotti G., *Decline of *Quercus robur* forests in northwestern Italy: current situation and tentative aethiology*, 6<sup>th</sup> Meeting Working Group "Integrated Protection in *Quercus* spp. Forests", Agris Research Center, Tempio Pausania, Italy, 4-8 ottobre 2010. (poster)

**Referee for international ISI journals with impact factor:**

Canadian Journal of Forest Research (IF: 1.685), NRC Research Press

**Affiliation to scientific societies:**

Italian Phytopathological Society (S.I.Pa.V.) from 2013

Société de la Flore Valdôtaine from 2010

**Scientific awards:**

"Giovanni Nicolotti" award for the best graduation thesis 2012 conferred by the Department of Agricultural, Forest and Food Sciences (DISAFA) of the University of Turin.

