

Gianluca Gambacorta

Agronomist and Biotechnologist



PERSONAL INFORMATION

Name: Gianluca Gambacorta
Address: Viale di Villa Pamphili 103, 00152, Rome (RM),
Mobile phone: Italy +39 3461890848
e-mail: gianluca.ga89@gmail.com
Certified mail/PEC: gianluca.ga89@pec.it

SUMMARY

Short Description

Qualified to practice as biologist (Italian Order of Biologist)
MSc in Agricultural Biotechnology (LM-7) - final grade 110/110 *Cum Laude*
BSc in Agricultural Science and Technology (L-25)
Experience in the field of molecular biology and plant biotechnology
Experience in the field of craft beer production

Soft Skills

- Adaptability
- Autonomy
- Enthusiasm
- Honesty
- Problem solving
- Time management
- Teamwork
- Meeting deadlines

WORKING EXPERIENCES

02/05/2019 to 05/05/2021

Agricultural Research Council (CREA-OFA) - Rome, Via di Fioranello 52 (RM), Italy.

Project

National Project BIOSOFRU: "Cisgenesis and Genome Editing on Prunus spp"

Role

Research Fellow at the Laboratory of Molecular Genetics

Supervisor

Elisa Vendramin (elisa.vendramin@crea.gov.it)

08/01/2020 a 10/03/2020

Instituto de Biología Molecular y Celular De Plantas - IBMCP, Universitat Politècnica de Valencia (ES)

Project

National Project BIOSOFRU: "Cisgenesis and Genome Editing on Prunus spp"

Description

As a research fellow at CREA I undertook a three-month mission to the Laboratory of Plant Genomics and Metabolomics of Prof. Antonio Granell at the IBMCP in Valencia, as part of an Erasmus Scholarship obtained during the second year of my Master's degree.

Supervisors (Italy)
(Spain)

Elisa Vendramin (elisa.vendramin@crea.gov.it)
Antonio Granell (agranell@ibmcp.upv.es)

03/2017 to 07/2017 **Instituto de Biologia Molecular y Celular De Plantas – IBMCP, Università Politecnica di Valencia**

Research Traineeship Trainee at the Laboratory of Plant Genomics and Metabolomics

Activities

- Design and assembly of CRISPR:Cas9 genic constructs
- *Agrobacterium tumefaciens* mediated plant transformation
- *In vitro* plant regeneration and propagation

Supervisors (Spain) Antonio Granell (agranell@ibmcp.upv.es)
(Italy) Andrea Mazzucato (mazz@unitus.it)

09/2014 to 08/2016 Founder of Hop&Mind Beer Firm – Craft Beer Production

Activities

- Beer recipes design
- Beer production
- Product sales and marketing

09/2013 to 08/2014 Birificio Birra TURAN srl. Loc. Bagnaia snc., 01100 (VT), IT

Activities

- *Junior assistant brewer*

Supervisor Diego Velonà (mobile phone +39 3290239352)

UNIVERSITY PATH

2015 – 2018 **Master's degree in Agricultural Biotechnology (LM-7) – Major in: "Agricultural Product Quality and Safety"**

Università degli Studi della Tuscia di Viterbo, Viterbo (IT)

Final Grade 110 /110 *Cum Laude*

Master Thesis "Provitamin A Biofortification of Durum Wheat through a TILLING Approach"

Research Activities **Targeting Induced Local Lesion IN Genomes - TILLING**

- Bioinformatic tools
- DNA extraction and sample preparation
- High Resolution Melting Analysis (HRM)
- HRM genotyping
- PCR
- Plant growth and management

02/2017 to 08/2017 **Erasmus Project Università Politecnica di Valencia (ES)**

2011 – 2015 **Bachelor's degree in Agricultural Science and Technology**

Institution Università degli Studi della Tuscia di Viterbo, Viterbo (IT)

Final Grade 104/110

Final Thesis "Importanza delle specie minori da frutta in guscio e prospettive di valorizzazione"

OTHER EDUCATION

2021

Institution

Certificate of Attendance

CREA – Agricultural Research Council
Health and Safety in the Workplace

2020

Institution

Certificate of Achievement

CREA – Agricultural Research Council
Basic Statistic

2020

Institution

Certificate of Attendance

CREA – Agricultural Research Council
Health and Safety in the Workplace

2019

Institution

Certificate of Attendance

Accademia delle professioni, Noventa Padovana – Padova (PD)
Beer Quality and Brewing Microbiology

PERSONAL SKILLS

Languages

- Italian Native language
- English B2
- Spanish B2

Lab Skills

Bacterial Transformation, Cell Culture, Cloning, CRISPR/Cas9, DNA extraction, DNA purification, Electrophoresis, Golden Braid Cloning, Media and Buffer Preparation, PCR, Plasmid Vector Design and Assembly, Plasmid Cloning, Plant Regeneration, Plant Transformation, RNA extraction, RNA purification, SANGER sequencing.

IT Skills

MS Office Word, Excel, PowerPoint, Bioinformatics Tools (Bioedit, Benchling, ClustalW, I-Tasser, MegaX, SnapGene) NCBI database, Uniprot, ProtParam

OTHER INFORMATION

Scholarships

- Feb 2019: TUCEP Erasmus Traineeship
- Mar 2018: USAC Erasmus Scholarship
- Dec 2016: Erasmus Scholarship

Conferences/Congress

- Jul. 2020: SIGA Young Web Meeting
- Sep 2017: "XIV Solanaceae and 3nd Cucurbitaceae Joint Conference" ConferenceCentre, Valencia (Spain), University of Palermo (Italy)
- Sep 2019: "LXIII SIGA ANNUAL CONGRESS – Science and Innovation for Sustainable Agriculture Intensification". Napoli (Italy)

Publications

- Jul. 2020: Modification of The Peach Tree Architecture Using Genome Editing Approach On The PpeTAC1 Gene. Published: 07/07/2020 – SIGA Young Web Meeting – Abstractbook (ISBN: 978-88-944843-0-4)
- Nov. 2019: Provitamin A Biofortification of Durum Wheat through a TILLING Approach Published: 14 November 2019 – International Journal of Molecular Science: open access
- Sep 2017: Abstracts book (XIV Solanaceae and 3nd Cucurbitaceae Joint Conference) <http://solcuc2017.org/>