



## Angelo Betto

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📍 **Work:** Viale dell'Università 16, 35020 Legnaro (PD) (Italy)

### WORK EXPERIENCE

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#### PhD

**University of Padua - Genetics and Genomics for Agriculture Laboratory** [ 01/01/2022 – Current ]

City: Legnaro (PD)

Country: Italy

Management of breeding trials for ornamental plant species; phenotypic measurements, greenhouse management; *in vitro* culture; molecular analyzes e.g. nucleic acid extraction, amplification and sequencing, flow cytometry, chromosome count, genome editing; molecular laboratory management; bioinformatic analyzes i.e. DNA barcoding, genetic similarity and genetic structure for SSR and SNP genotyping.

#### Internship

**Gruppo Padana Ortofloricoltura Nursery Company** [ 01/01/2022 – 31/10/2023 ]

City: Paese (TV)

Country: Italy

Management of breeding trials for ornamental plant species.

#### Research Fellowship

**University of Padua - Agronomy Laboratory** [ 01/10/2020 – 31/12/2021 ]

City: Legnaro (PD)

Country: Italy

Fertilization trial management in open field, agronomic measurements, greenhouse gas measurements, breeding trials for cover crop species management; agronomic data analysis.

#### Intership

**University of Verona - Plant Physiology Laboratory** [ 01/01/2019 – 31/12/2020 ]

City: Verona

Country: Italy

Hydroponic growing, *in vitro* culture, molecular exclusion chromatography, biological laboratory management.

#### Internship

**Righetto Renzo Nursery Company** [ 01/07/2016 – 31/08/2016 ]

City: Santa Maria di Sala (VE)

Country: Italy

Greenhouse crop management, nursery management.

## EDUCATION AND TRAINING

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### Master Degree in Agri-Food Biotechnology

**University of Verona** [ 01/10/2017 – 28/02/2020 ]

City: Verona

Country: Italy

Final grade: 110 Cum Laude

Plant molecular genetics, Omic sciences, Plant physiology and biochemistry, Plant and microbic biotechnology, Phytopathology.

### Bachelor Degree in Agricultural Science and Technology

**University of Padua** [ 01/10/2014 – 01/10/2017 ]

City: Legnaro (PD)

Country: Italy

Final grade: 110

Agronomy, Soil chemistry, Herbaceous crops, Horticulture, Agricultural genetics, Agricultural entomology.

## LANGUAGE SKILLS

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Mother tongue(s): **Italian**

Other language(s):

### English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### Spanish

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

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

## DIGITAL SKILLS

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Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / General Bioinformatics Applications / Sequence alignment / Flow Cytometry / Population genetics / Genetic diversity

## PUBLICATIONS

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**Farinati, S., Draga, S., Betto, A., Palumbo, F., Vannozzi, A., Lucchin, M., & Barcaccia, G. (2023). Current insights and advances into plant male sterility: new precision breeding technology based on genome editing applications. *Frontiers in Plant Science*, 14.**

[2023]

DOI: 10.3389/fpls.2023.1223861

**Farinati, S., Betto, A., Palumbo, F., Scariolo, F., Vannozzi, A., & Barcaccia, G. (2022). The new green challenge in urban planning: The right genetics in the right place. *Horticulturae*, 8(9), 761.**

[2022]

DOI: 10.3390/horticulturae8090761

**Corn irrigation experiences in Veneto, curated by M. Borin**

[2021]

ISBN: 9788854954946

## CONFERENCES AND SEMINARS

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### LXV Annual Congress of the Italian Society of Agricultural Genetics

[ Bari ITA, 05/09/2023 – 08/09/2023 ]

Poster communication: Betto A., Palumbo S. Farinati S., Barcaccia G. Use of Single Sequence Repeats, Single Nucleotide Polymorphisms and Ploidy analysis in genotyping *Lantana camara* breeding clonal lines.

### XVII International Eucarpia Symposium

[ Genoa (PD), 02/07/2023 – 05/07/2023 ]

Poster communication: Betto A., Farinati S., Barcaccia G. How much is enough? Considerations on the use of microsatellites for genotyping ornamental plants.

### LXV Annual Congress of the Italian Society of Agricultural Genetics

[ Piacenza ITA, 06/09/2022 – 09/09/2022 ]

Poster communication: Genetic improvement programs aimed at the establishment of new varieties of flower ornamental species using molecular selection methods.

### II AISSA under40 Congress

[ Sassari ITA, 01/07/2021 – 02/07/2021 ]

Poster communication: Betto A., Maucieri C., Raimondi G., Borin M., Renella G. SOIL BANK project: soil as capital to invest in

## SKILLS

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### Technical skills

Experimental design

Project writing

Work in molecular and biological laboratory, controlled environment and open field, *in vitro* culture

Phenotypic, productive and molecular data collection and analysis

Statistical analysis

Data interpretation, discussion and presentation

### Organizational skills

Project planning

Autonomous work management

Work in team, hard-working and under pressure

Management of operative work teams

Thesis supervision

### Communication and interpersonal skills

Experimental and review publication production and reviewing

Scientific communication and dissemination

Problem solving and active listening

Attention in creating a peaceful working environment

## DRIVING LICENCE

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**Driving Licence:** B1