

Prof Guido CIPRIANI

### **Personal details and references**

Nationality: Italian

Place and date of birth: Cividale del Friuli (UD) 05.02.61

e-mail: guido.cipriani@uniud.it

Hobbies: astronomy and astronautics, ski touring, hiking, riding the bike

### **Education**

1987 Degree in Agricultural Science, University of Udine

### **Professional activity**

1991-1994 PhD student at University of Udine, Fac. Agriculture

1992 -1993 PhD student at University of Auckland (NZ), Faculty of Biology, 8 months

1995-2000 technician at Faculty of Agriculture – University of Udine

1997 Visiting scientist at HortResearch, Auckland (NZ), 3 months

1999 Visiting scientist at University of Santiago (Chile), 1 month

2000 – 2010 Senior scientist at University of Udine, Faculty of Agriculture

2001-2002 Visiting scientist at HortResearch, Auckland (NZ), 4 months, OECD fellowship

2000 – present Lecturer at Faculty of Agriculture, University of Udine

2010 – 2014 Head of the Fruit Crop Research Centre – CRA – Rome

2014 – Associate Professor, University of Udine

2018 – Full Professor, University of Udine

### **Area of activity / line of research**

Analysis of plant genomes, high throughput genotyping of fruit crops, development of genetic maps and molecular markers, applied marker assistant selection, functional genomics studies. Plant breeding of *Actinidia* with the aim to develop new cultivars with improved fruit traits (flesh color, size, different harvest periods, storage). Development of gender markers in *Actinidia*. Plant breeding of *Vitis* both for wine and table cultivars with the aim to introgress resistance genes to the main pathogens. Germplasm collection of new sources of resistance genes. Mapping and markers development of the new genes. Plant breeding of *Malus*, with the aim to introgress resistance genes to scab, downy mildew and fire blight. Genome editing in kiwifruit. Transformation and regeneration in kiwifruit. Soil born disease and Psa (*Pseudomonas syringae* pv *actinidiae*): emerging syndromes affecting kiwifruit industry.

### **Lectures**

Grape Genetics and breeding – University of Udine

Fruit genetics and breeding – University of Udine

Pomology – University of Udine

### **Participation in national research projects**

- Breeding for quality: Ministry of Agriculture Research project
- Expressed Sequence Tags in peach – Ministry of Research and technology
- Sugar metabolism and gene regulation – Ministry of Research and technology
- Association mapping in strawberry – Ministry of Research and technology
- Breeding for resistance/tolerance to PSA in kiwifruit – Ministry of Agriculture

### **Cooperation with the private research partners**

- Kiwifruit breeding: new selections, PSA tolerance, rootstocks development
- Grape breeding: table and wine grape selection
- Apple breeding: resistance to scab and powdery mildew

### **Other information**

Degree award “Domenico e Camilla Pecile” for the thesis at University of Udine

Honorary Fellow of Plant & Food Research – The New Zealand Institute for Plant and Food research Limited

**Affiliation**

Member of the Società Orticola Italiana (SOI)

Member of the International Society of Horticultural Sciences (ISHS)

Member of the SIGA (Società Italiana di Genetica Agraria)