

## **CURRICULUM VITAE**

**Linda Avesani, PhD**



**Name, Surname:** Linda Avesani  
**Date of Birth:** 2 December 1975  
**Place of Birth:** Bussolengo (VR)

**Address:** Via Cantarane, 14. 37129 Verona. Phone number: +39 348 2105167

**Working Address:** Department of Biotechnology. Strada Le Grazie, 15. 37134. Verona.  
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## **DEGREES**

July, 2009  
**Master in Plant Biotechnology. University of Verona.**

March, 2004  
**PhD in Plant Biotechnology, University of Verona.**

July, 2000  
**Graduation in Plant Biotechnology, University of Verona**  
Votazione: 110/110 e lode

## **SCIENTIFIC CAREER**

March 2012- Researcher at the Department of Biotechnology. University of Verona.

June 2016. Founder of the innovative start-up “Diamante srl”.

June 2015- June 2016. Visiting scientist at CNR Milano, IBBA.

Marzo, 2011- Febbraio, 2012

Borsa di studio presso il Dipartimento di Biotecnologie dell’Università degli Studi di Verona sul progetto “Analisi molecolare di materiale vegetale.”

March, 2010- February, 2011

Post-doctoral Fellow, Laboratory of Plant Genetics, University of Verona, Italy.

March, 2009–January 2010

Co-founder and CSO in the innovative start-up “Officina Biotecnologica srl”.

February, 2003–March, 2009

Post-doctoral Fellow, Laboratory of Plant Genetics, University of Verona, Italy.

October, 2004-January, 2005

Visiting scientist at the John Innes Centre, Norwich (UK) in the framework of the EU-funded project Pharma-Planta.

December, 2002–February, 2003

Post-doctoral Fellow, Laboratory of Plant Genetics, University of Verona, Italy.

January 2001-February 2001. Visiting Scientist at the University of Siena.

December, 2000–December 2002

Post-doctoral Fellow, Laboratory of Plant Genetics, University of Verona, Italy.

## **TEACHING EXPERIENCE**

*2015-2016*

University of Verona “Plant Biotechnology” (24 h) per il corso di Laurea Magistrale in Biotecnologie Agro-Industriali LM7

*2011-2012 and 2010-2011*

Teaching assistant University Of Bozen “Plant Genetics” (23h) for the international Master in Fruit Science.

## Membership to Scientific Societies

-International Society of Plant Molecular Farming  
-Italian Society in Plant Genetics  
-European Association of the Study of Diabetes (EASD)

## PATENTS

**Avesani L**, Pezzotti M, Falorni A “Method for the expression in plant of the glutamic acid decarboxylase (gad65) and related expression vectors the present invention concerns a method of expression in plant of glutamic acid decarboxylase (gad65), particularly a mutated form of human gad65 (gad65mut), and expression vectors thereof”. Brevetto internazionale n° WO 2010010594 A1, filed on the 20 August 2009.

Lico C., Baschieri S., Benvenuto E., **Avesani L.**, Bartoloni Bocci E., Pezzotti M., Lunardi C. “Particella virale chimerica di virus X della patata e suo uso nella diagnosi in vitro di Sindrome di Sjögren”, filed in Italy il 03-06-2015, n. 102015000020005

## Publications

### Peer reviewed articles:

1. Zenoni S, Fasoli M, Guzzo F, Dal Santo S, Amato A, Anesi A, Commisso M, Herderich M, Ceoldo S, **Avesani L**, Pezzotti M, Tornielli GB. Disclosing the molecular basis of the postharvest life of berry in different grapevine genotypes. *Plant Physiology* 2016 : 16008651-8652016.
2. Merlin M, Pezzotti M, **Avesani L**. Edible plants for oral delivery of biopharmaceuticals. *British Journal of Clinical Pharmacology. Br J Clin Pharmacol.* 2016 Apr 1.
3. Zamboni A, Zanin L, Tomasi N, **Avesani L**, Pinton R, Varanini Z, Cesco S. Early transcriptomic response to Fe supply in Fe-deficient tomato plants is strongly influenced by the nature of the chelating agent. *BMC Genomics.* 2016 Jan 7;17(1):35.
4. Tinazzi E, Merlin M, Bason C, Beri R, Zampieri R, Lico C, Bartoloni E, Puccetti A, Lunardi C, Pezzotti M, **Avesani L**. Plant-Derived Chimeric Virus Particles for the Diagnosis of Primary Sjögren Syndrome. *Front Plant Sci.* 2015 Dec 1;6
5. Merlin M., Gecchele E., Arcalis E., Remelli S., Brozzetti A., Pezzotti M., **Avesani L.**

Engineering the subcellular localization of GAD65 in plant cells is an efficient tool for the optimization of upstream production and downstream processing. *Biotechnology Journal*, 2015.

6. Pinnola A, Ghin L, Gecchele E, Merlin M, Alboresi A, **Avesani L**, Pezzotti M, Capaldi S, Cazzaniga S, Bassi R. Heterologous Expression of Moss Light-harvesting Complex Stress-related 1 (LHCSR1), the Chlorophyll a-Xanthophyll Pigment-protein Complex Catalyzing Non-photochemical Quenching, in *Nicotiana sp.* *J Biol Chem.* 2015 Oct 2;290(40):24340-54.

7. Milia G, Camiolo S, **Avesani L**, Porceddu A. The dynamic loss and gain of introns during the evolution of the Brassicaceae. *Plant J.* 2015 Jun;82(6):915-24.

8. Gecchele E, Merlin M, Brozzetti A, Falorni A, Pezzotti M, **Avesani L**. A comparative analysis of recombinant protein expression in different biofactories: bacteria, insect cells and plant systems. *Journal of Visualized Experiments*, 2015, 23:97.

9. Bolla M, Zenoni S, Scheurer S, Vieths S, San Miguel Moncin MD, Olivieri M, Antico A, Ferrer M, Berroa F, Enrique E, **Avesani L**, Marsano F, Zoccatelli G. Pomegranate (*Punica granatum L.*) Expresses Several nsLTP Isoforms Characterized by Different Immunoglobulin E-Binding Properties. *Int Arch Allergy Immunol.* 2014 Jun 17;164(2):112-121.

10. Gecchele E, Schillberg S, Merlin M, Pezzotti M, **Avesani L**. A downstream process allowing the efficient isolation of a recombinant amphiphilic protein from tobacco leaves. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014 Jun 1;960:34-42.

11. Merlin M, Gecchele E, Capaldi S, Pezzotti M, **Avesani L**. Comparative evaluation of recombinant protein production in different biofactories: the green perspective. *Biomed Res Int.* 2014;2014:136419.

12. Cavallini E, Zenoni S, Finezzo L, Guzzo F, Zamboni A, **Avesani L**, Tornielli GB. Functional diversification of grapevine MYB5a and MYB5b in the control of flavonoid biosynthesis in a petunia anthocyanin regulatory mutant. *Plant Cell Physiol.* 2014 Mar;55(3):517-34.

13. **Avesani L**, Merlin M, Gecchele E, Capaldi S, Brozzetti A, Falorni A, Pezzotti M. Comparative analysis of different biofactories for the production of a major diabetes autoantigen. *Transgenic Res.* 2014 Apr;23(2):281-91.

14. Lico C, Santi L, Twyman RM, Pezzotti M, **Avesani L**. The use of plants for the

production of therapeutic human peptides. *Plant Cell Rep.* 2012 Mar;31(3):439-51.

15. Morandini F, **Avesani L**, Bortesi L, Van Droogenbroeck B, De Wilde K, Arcalis E, Bazzoni F, Santi L, Brozzetti A, Falorni A, Stoger E, Depicker A, Pezzotti M. Non-food/feed seeds as biofactories for the high-yield production of recombinant pharmaceuticals. *Plant Biotechnol. J.* 2011. 9(8): 911-921.

16. **Avesani L**, Bortesi L, Santi L, Falorni A, Pezzotti M. Plant-made pharmaceuticals for the prevention and treatment of autoimmune diseases: where are we? *Expert Rev Vaccines.* 2010 Aug 9(8): 957-69.

17. **Avesani L**, Vitale A, Pedrazzini E, De Virgilio M, Pompa A, Barbante A, Gecchele E, Dominici P, Morandini F, Brozzetti A, Falorni A, Pezzotti M. Recombinant human GAD65 accumulates to high levels in transgenic tobacco plants when expressed as an enzymatically inactive mutant. *Plant Biotechnology Journal.* 2010 Oct 8(8): 862-872.

18. Bortesi L, Rossato M, Schuster F, Raven N, Stadimann J, **Avesani L**, Falorni A, Bazzoni F, Bock R, Schillberg S, Pezzotti M. Viral and murine interleukin-10 are correctly processed and retain their biological activity when produced in tobacco. *BMC Biotechnology.* 2009 Mar 19(9): 22.

19. **Avesani L**, Marconi G, Morandini F, Albertini E, Bruschetta M, Bortesi L, Pezzotti M, Porceddu A. Stability of Potato virus X expression vectors is related to insert size: implications for replication models and risk assessment. *Transgenic Research.* 2007 Oct; 16(5) 587-97

20. **Avesani L** I farmaci dalle piante, il futuro è già arrivato. *L'informatore Agrario.* 2006. Vol. 31 pagg. 73-74

21. **Avesani L**, Falorni A, Tornielli GB, Marusic C, Porceddu A, Polverari A, Faleri C, Calcinaro F, Pezzotti M. Improved in planta expression of the human islet autoantigen glutamic acid decarboxylase (GAD65). 2003 *Transgenic Research.* Apr;12(2):203-12.

22. Pandolfini T, Molesini B, **Avesani L**, Spina A, Polverari A. Expression of self-complementary hairpin RNA under the control of the rolC promoter confers systemic disease resistance to plum pox virus without preventing local infection. 2003 *BMC Biotechnology.* Jun 25;3:7.

23. **Avesani L**, Tornielli GB, Pezzotti M. Piante transgeniche per la salute umana. 2002 *Informatore Agrario.* Vol. 58 pagg. 39-40

### Books

1. **Avesani L** e Felis G. Biotecnologie, a cura di: Aldo Pagano. Zanichelli. Capitolo: Biotecnologie Agro-alimentari.
2. Falorni A, **Avesani L**, Porceddu A, Pezzotti M. Expression of human glutamic acid decarboxylase, a major autoantigen in Type 1 diabetes, in transgenic plants. Proceedings of the International Congress "In the wake of the double Helix: From the green revolution to the Gene revolution". Tuberosa Editore.
3. **Avesani L**, Pezzotti M- Espressione della GAD65 umana in pianta per la prevenzione del diabete autoimmune. pp.947-949-Genetica e Genomica. Volume III. Liguori Editore

### Invited speaker

1. **Avesani L**. Taming Plant Viruses - Fundamental Biology to Bionanotechnology. Biochemical Society. Pitlochry, UK 2016.
2. **Avesani L**. Success Project: "Plant-made GREEN Kit". Bioeconomy and Biotech Topics in H2020 SME Instrument: new frontiers and opportunities. Italian Forum on Industrial Biotechnology and Bioeconomy. Altavilla Vicentina (CUOA) 23 September 2016
3. **Avesani L**. Molecular farming – lessons learned for autoimmune diseases. International School of Pharmacology. Course on Nutraceuticals. Erice 26-30 September 2015.
4. **Avesani L**. Molecular farming: produzione di molecole di interesse medico in pianta. Università degli studi di Urbino. Urbino 2006.

### Oral communications in congresses

1. **L. Avesani\***, M. Commisso, M. Bianconi, S. Ceoldo, S. Negri, M. Pasini, D. Raccanello, R. Burro, M. Brondino, F. Guzzo. Three kiwifruits a day keep the blues away? "Biologia Cellulare e molecolare e Biotecnologie e Differenziamento" Amantea (CS) 14-16 June, 2016.
2. M. Commisso, **L. Avesani**, M. Bianconi, S. Ceoldo, S. Negri, G. Zoccatelli, F. Guzzo. Characterization of the melatonin Pathway in kiwifruits. "Biologia Cellulare e molecolare e Biotecnologie e Differenziamento" Amantea (CS) 14-16 June, 2016.

3. M. Merlin, **L. Avesani**. GAD65-based edible vaccine: a new autoimmune diabetes perspective. 2<sup>nd</sup> Conference of the International Society of Plant Molecular Farming. Ghent, 25-27 May 2016.
4. R. Zampieri, **L. Avesani**. Modified plant-viruses nanoparticles for the Sjogren's syndrome diagnosis. 2<sup>nd</sup> Conference of the International Society of Plant Molecular Farming. Ghent, 25-27 May 2016
5. **L. Avesani\***, M. Commisso, M. Bianconi, S. Ceoldo, G. Zoccatelli, F. Guzzo Potentially neuroactive amines in kiwifruit. 100 Italian Society of Biology, Pavia, 14-17 September 2015.
6. **Avesani L\***, Merlin M, Zampieri R, Tinazzi E, Gecchele E, Pezzotti M. Plant virus-based systems in autoimmune diseases: From screening to treatment. 5th International Congress of Plant-Based Vaccine and Antibodies, Verona, 5-7 June, 2013.
7. **Avesani L\***, Merlin M, Gecchele E, Falorni A, Pezzotti M. Perspectives for autoimmune diabetes prevention using plants. 56th Italian Society of Agricultural Genetics Annual Congress, Perugia, 17-20 September, 2012.
8. **Avesani L\***, Pezzotti M. Expression of a mutated form of human GAD65 in plant. 3rd International Congress of Plant-Based Vaccine and Antibodies, Verona, 15-17 June, 2009.
9. **Avesani L\***, Morandini F, Gecchele E, Devirgilio M, Barbante A, Vitale A, Pedrazzini E, Falorni A, Pezzotti M. Expression of a mutated form of hGAD65 in transgenic tobacco plants. 52nd Italian Society of Agricultural Genetics Annual Congress, Padova, 14-17 September, 2008.
10. **Avesani L\***, Falorni A, Porceddu A, Marusic C, Faleri C, Calcinaro F, Pezzotti M. Human GAD65 expressed in plants and oral tolerance for prevention of autoimmune diabetes mellitus: to feed or not to feed. 46th Italian Society of Agricultural Genetics Annual Congress, Giardini Naxos (ME), 18-21 September, 2002.

#### Poster presentation

1. Bertini E., Merlin M., Gecchele E., Pezzotti M., **Avesani L.** AUTOIMMUNE DIABETES GAD65-BASED EDIBLE VACCINE. Annual Congress SIGA, Catania 13-16 September 2016.

2. **Avesani L.**, Bertini E., Forin F., Pezzotti M., Gecchele E. GAD65-BASED EDIBLE VACCINE: A NEW AUTOIMMUNE DIABETES PERSPECTIVE. Joint Congress SIBV-SIGA Milano, Italy – 8/11 September, 2015

2. Zampieri R., Merlin M., Bason C., Tinazzi E., Lico C., Lomonossoff G., **Avesani L.** PLANT VIRUSES FOR PEPTIDE-BASED AUTOIMMUNE DISEASE THERAPY AND DIAGNOSIS. Joint Congress SIBV-SIGA Milano, Italy – 8/11 September, 2015

3. Zenoni S., Tornielli G.B., Fasoli M., Dal Santo S., Guzzo F., **Avesani L.**, Pezzotti M. MOLECULAR AND METABOLITE CHANGES IN RESPONSE TO POSTHARVEST DEHYDRATION IN DIFFERENT WINE GRAPE VARIETIES. Joint Congress SIBV-SIGA Milano, Italy – 8/11 September

4. Commisso M, **Avesani L**, Bianconi M, Ceoldo S, Zoccatelli G, Guzzo F. Potentially neuroactive amines in kiwifruits. Plant Enginee, Cost Action FA1006. Sorrento, 15-17 Aprile 2015

5. Merlin M, Gecchele E, Zampieri R, Pezzotti M, **Avesani L.** Sub-cellular targeting of plant-made recombinant proteins: a tool for improving downstream processing. 58th Italian Society of Agricultural Genetics Annual Congress, Alghero, 15-18 September, 2014.

6. **Avesani L**, Tinazzi E, Merlin M, Zampieri R, Gecchele E, Lico C, Pezzotti M. PVX a powerful tool for autoimmune disease diagnosis. 1st Congress of the International Society of plant molecular Farming, Berlin, 17-19 June, 2014.

7. Gecchele E, Merlin M, Soldi E, Merlin M, Pezzotti M, **Avesani L.** Downstream processing strategy for purification of hGAD65mut from tobacco leaf material. 5th International Congress of Plant-Based Vaccine and Antibodies, Verona, 5-7 June, 2013.

8. Gecchele E, Merlin M, **Avesani L**, Pezzotti M. Expression and purification of a mutated form of human GAD65 from transgenic tobacco leaves. 57<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Assisi 19-22 September 2011.

9. Merlin M, Gecchele E, Brozzetti A, **Avesani L**, Pezzotti M. Expression of N-truncated GAD65mut forms in a plant-based platform. 57<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Assisi 19-22 September 2011.

10. Gecchele E, Merlin M, Zampieri R, Avesani L, Pezzotti M. Expression and purification of GAD65 and GAD65mut in a E. coli-based platform. 56<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Matera 27-30 september 2010.



11. Merlin M, Capaldi S, Remelli S, Brozzetti A, Gecchele E, Falorni A, **Avesani L**, Pezzotti M. GFP-based expression of truncated GAD65mut forms in high-throughput platforms. 56<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Matera 27-30 september 2010.
12. Gecchele E, Merlin M, Capaldi S, Brozzetti A, Falorni A, Pezzotti M, **Avesani L** – Expression of a mutated form of GAD65 in heterologous systems. 54<sup>th</sup> Italian Society of Agriculture Genetics Annual Congress. Torino, 16-19 September, 2009.
13. Bortesi L, **Avesani L**, Raven N, Schuster F, Arcalis E, Stadlmann J, Bazzoni F, Bock R, Schillberg S, Pezzotti M. Production in tobacco of Interleukin-10. 51<sup>st</sup> Italian Society of Agriculture Genetics Annual Congress. Riva del Garda, 23-26 September, 2007.
14. Bortesi L, **Avesani L**, Raven N, Bock R, Schillberg S, Pezzotti M. Expression of the anti-inflammatory cytokine IL-10 in tobacco. PBVA 2007, Plant-Based Vaccines & Antibodies  
Verona, Italy – 18-20 June, 2007
15. **Avesani L**, Marconi G, Bruschetta M, Albertini E, Bortesi L, Pezzotti M, Porceddu A. Risk and stability assessment of a Potato Virus X-based vector for recombinant protein expression. 50th Italian Society of Agriculture Genetics - SIGA Annual Congress Ischia (NA), September 10-14, 2006.
16. Morandini F, **Avesani L**, Bruschetta M, Van Droogenbroeck B, Depicker A, Falorni A, Pezzotti M. The seeds of hope. Proceedings of the 50th Italian Society of Agricultural Genetics Annual Congress. Ischia, 10-14 September, 2006.
17. **Avesani L**, Marconi G, Bortesi L, Albertini E, Bruschetta M, Porceddu A, Pezzotti M. Assessment of PVX as a system for the heterologous production of recombinant proteins. 49th Italian Society of Agriculture Genetics Annual Congress. Potenza, September 12-15, 2005.
18. Marconi G, Porceddu A, Falorni A, **Avesani L**, Bortesi L, Pezzotti M, Falcinelli M, Albertini E. In planta production of human proinsulin through transient expression. 49th Italian Society of Agriculture Genetics Annual Congress. Potenza, September 12-15, 2005.
19. **Avesani L**, Fraccaroli M, Zipeto D, Bortesi L, Turci M, Dalla Pozza E, Bertazzoni U, Pezzotti M. Expression of a candidate vaccine for AIDS prevention in planta. Conference of Plant-Made Pharmaceuticals –Montréal, Québec, Canada – January 30-February 2, 2005.

20. **Avesani L**, Falorni A, Morandini F, Coati M, Porceddu A, Pezzotti M. Transgenic Plants for oral prevention studies of autoimmune diabetes. Conference on Plant-Made Pharmaceuticals- Gennaio 30-2 Febbraio 2005. Montreal, Canada.
21. Marconi G, Albertini E, Falorni A, **Avesani L**, Pezzotti M, Falcinelli M, Porceddu A. In Planta Production Of Human Proinsulin Through Transient Expression. Plant and Animal Genomes XIII Conference 15-19 Gennaio 2005, San Diego, California USA.
22. Fraccaroli M, **Avesani L**, Debattisti V, Zipeto D, Turci M, Pezzotti M, Bertazzoni U. Production of a candidate HIV-1 vaccine in transgenic tobacco plants. 4th National Congress of The Italian Society of Virology, 20-22 September 2004 Orvieto,.
23. Mellini S, Pistelli L, **Avesani L**, Pezzotti M, Alpi A. Regulation of gamma-aminobutyric acid synthesis by nitro-gen availability on tobacco transgenic plants. 43th Italian Society of Plant Fisiology. Lecce, 15-18 September, 2004.
24. **Avesani L**, Dalla Pozza E, Morandini F, Coati M, Porceddu A, Marconi G, Falorni A, Pezzotti M. GAD65 expression in plants: the long and winding road. 48<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Lecce, 15-18 September.
25. **Avesani L**, Fraccaroli M, De Battisti V, Zipeto D, Turci M, Bertazzoni U, Pezzotti M. Expression of a candidate vaccine for AIDS prevention in transgenic tobacco plants. 48<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Lecce, 15-18 September.
26. Pandolfini T, Molesini B, **Avesani L**, Spina A, Polverari A. Expression of self-complementary hairpin RNA under the control of the rolC promoter confers systemic disease resistance to Plum Pox Virus without preventing local infection. 42th Italian Society of Plant Fisiology. Rimini, 10-13 October 2003.
27. Pistelli L, Simonini S, **Avesani L**, Pezzotti M, Alpi A. Hypothesis of a correlation between the dwarfism of transgenic tobacco plants expressing human glutamate decarboxylase (hGAD65) and hormone involvement. 5th Annual Congress of the Italian federation of life science. Rimini, 10-13 October 2003.
28. Pistelli L, Simonini S, **Avesani L**, Pezzotti M, Alpi A. Hypothesis of a correlation between the dwarfism of transgenic tobacco plants expressing human glutamate decarboxylase (hGAD65) and hormone involvement. 42th Annual Congress of the Italian Society of Plant Fisiology. Rimini, 10-13 October 2003.

29. **Avesani L**, Falorni A, Dalla Pozza E, Tornelli GB, Morandini F, Bortesi L, Pezzotti M. Boosting human GAD expression in transgenic plants. 47th Society of Agriculture Genetics Annual Congress. Verona, September 24-27, 2003.
30. Molesini B, Pandolfini T, **Avesani L**, Spena A, Polverari A. Expression of Self-Complementary Hairpin RNA under the control of the Rolc promoter confers systemic disease resistance to Plum Pox Virus without preventing local infection. 47<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Verona, 24-27 September, 2003.
31. **Avesani L**, Pezzotti M, Falorni A, Alpi A. Autoimmune Diabetes: Induction of Oral Tolerance using human GAD65 in planta expressed. 11<sup>th</sup> Teleton Scientific Convention. Rive del Garda, 24-26 November 2002.
32. Pistelli L, **Avesani L**, Pezzotti M, Alpi A. Transgenic tobacco plants expressing human GAD are affected in plant growth and development. FESPP - 13Th Congress of the Federation of European Societies of Plant Physiology. 2-6 Settembre 2002 Hersonissos, Crete.
33. Pistelli L, **Avesani L**, Pezzotti M, Alpi A. Physiological role of GABA in transgenic tobacco plants expressing human GAD: could GABA represent a metabolic signal for plants? – 41th Annual Congress of the Italian Society of Plant Fisiology. Riva del Garda, 20-22 September 2002.
34. Torielli GB, Turci M, De Battisti C, Zenoni S, **Avesani L**, Pezzotti M. Reverse Genetics in Petunia Hybrida. 45<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Salsomaggiore Terme, 26-29 September 2001.
35. Pistelli L, Guglielminetti L, **Avesani L**, Falorni A, Pezzotti M, Alpi A. Transgenic tobacco plants expressing human GAD65 are affected in plant growth and development. 40th Annual Congress of the Italian Society of Plant Fisiology. Abano Terme, 17-19 September 2001.
36. **Avesani L**, Tornelli GB, Falorni A, Porceddu A, Pezzotti M. Improvement of the in planta expression of the major human islet autoantigen for oral tolerance studies in the prevention of autoimmune diabetes mellitus. 44<sup>th</sup> Italian Society of Agricultural Genetics Annual Congress. Bologna, 20-23 September 2000.

## COLLABORATION WITH INTERNATIONAL JOURNALS

Referee for the following journals

- PLOS one

- BMC Research Notes
- Transgenic Research
- Journal of Biotechnology
- Plant Biotechnology Journal
- Phytochemistry Review
- Molecular Biotechnology
- Biotechnology Reports
- Plant Cell Reports

## FUNDINGS

Principal investigator “BB-drink: valorization of elite barley hyper-accumulating beta-glucans: from molecular characterization to healthy beverage production”. Call “Joint Projects 2015” University of Verona. Funding: 40,950 €.

Principal investigator “Pi-Greek”. Call: SME Instrument Phase 1, Horizon2020. Funding: 50,000 €.

Principal investigator “The use of plants for the production of an autoimmune edible vaccine”. Call “Joint Projects 2014” University of Verona. Funding: 34,800 €.

Principal investigator “Feasible manufacturing of hGAD65 in plants” Call “Joint Projects 2012” University of Verona. Funding: 50,000 €.

Principal investigator “Development of new strategies for autoimmune diseases immuno-modulation by using peptides produced in plant platforms”. Call Futuro in Ricerca Bando giovani (FIRB) 2010, Ministry of University, Education and research. Funding: 799,000 €

## Prizes

2016. Prize Marisa Bellisario. Germoglio d’oro. Fondazione Marisa Bellisario.

2016. Global Social Venture Competition. Best idea in the sector health. Fondazione Filarete, ALTIS.

2016. UK-Italy Business Award. Entrepreneurship Award. UK Trade and Investment.

2015. Unicredit Start Lab. Project Idea “Diamante”. UniCredit

