

Juan José González Plaza

Academic achievements:

2010 – 2013; PhD Advanced Biotechnology, University of Málaga (Spain)

2008 – 2010; MSc Advanced Biotechnology, International University of Andalusia, Huelva (Spain)

2000 – 2008; BSc Biology, University of Málaga (Spain)

Research interests:

Application of high-throughput "omics" technologies to the study of: infectious diseases, the Immune System, and the possible ways in which infectious agents modify the behaviour of the elements of human immunity.

Working experience:

01/06/2015 - present; Postdoctoral Research Fellow, Research Department, University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb (Croatia)

06/01/2015 - 24/04/2015; Postdoctoral Researcher, Department of Genomic and Personalized Medicine, Center for Life Sciences, Nazarbayev University, Astana (Kazakhstan)

22/10/2014 - 15/12/2014; Visiting Research Scientist, Biomedical Research Institute of Malaga (IBIMA), Endocrinology and Nutrition Department, Malaga (Spain)

01/03/2014 - 31/05/2014; Visiting Researcher, Health Department, Kurdistan Institution for Strategic Studies and Scientific Research, Sulaymaniyah (Iraq)

13/05/2008 - 24/02/2014; Researcher, Dept. of Genetics, University of Málaga, Málaga (Spain)

10/2005 - 01/2006; Visiting Researcher (IAESTE), Max Planck Institute for Molecular Plant Physiology, Potsdam (Germany)

09/2003 - 11/2003; Visiting Researcher (IAESTE), Dept. of Chemistry and Biochemistry, UNESP, Botucatu, Sao Paulo State (Brazil)

Collaboration in projects:

06/2015 – present; Collaborator as: Postdoctoral Research Fellow. "Innate immunity to Hantaviruses (HANTA-INNATE)". Funded by Croatian Science Foundation. PI prof. Alemka Markotić, MD, PhD.

01/2015 - 04/2015; Collaborator as: Postdoctoral researcher. "Genomic and transcriptomic profile of esophageal cancer". Funded by Kazakh Ministry of Education and Science. PI Dr. Ainur Akilzhanova.

03/2014 - 05/2014; Collaborator as: **Visiting Researcher**. "Characterization of transcriptomic responses in morbid obese patients". Funded by Spanish Ministry of Education and Science. PI Dr. Eduardo García Fuentes.

05/2008 - 02/2014; Collaborator as: **Researcher**, M.Sc. student, Ph.D. student. "Generation of genomic tools in olive and application to the analysis of fruit and oil quality and agronomical traits". Funded by Genoma España, 8.06-5.72-3022. PI Dr. Victoriano Valpuesta, Subproject PI Dr. Carmen R. Beuzón López.

05/2008 - 12/2012; Collaborator as: **Researcher**. "Functional characterization of the type III Hrp secretion system and its effectors in the phytopathogenic bacterias *Pseudomonas syringae*". Funded by Ministerio de Educación y Ciencia, Plan Nacional de Biotecnología (Spanish Ministry of Education and Science, National Plan for Biotechnology), BIO2006-000673. Project PI Dr. Carmen Beuzón López.

10/2005 - 01/2006; Collaborator as: **Visiting Researcher**, "Study of malate dehydrogenase gene in tomato", funded by DAAD. PI Dr. Alisdair Fernie, Subproject PI Dr. Nicolas Schauer.

09/2003 - 11/2003; Collaborator as: **Visiting Researcher**, "Study of peroxidase and polyamines in *Colocasia esculenta*, in response to salt stress". Funded by UNESP.

Courses:

Perl programming, 26th Nov. - 1st Dec. 2012, Málaga (Spain)

Excel for presentations and descriptive statistics, 10th - 17th Nov. 2012, Málaga (Spain)

VI International course of massive data analysis, 31st May - 4th June 2010, Valencia (Spain)

First international course in automated functional annotation and data mining, 28th - 30th Sept. 2009, Valencia (Spain)

Latest advances in RT-PCR: HRM and Mique Guidelines, 30th June 2009, Granada (Spain)

Microbiological food analysis, July 2001, Málaga (Spain)

Publications:

1. Transcriptomic profile of different olive tree cultivars in response to pathogen attack. Article in the latest experimental stages. 2015 (expected).

2. Microarray analysis of the response in Multiple Sclerosis patients. Second author. In preparation, 2015

3. Study of plant architecture in olive tree through transcriptomic approaches. First author. In preparation, 2015

4. Esophageal Squamous Cell Carcinoma: advances through omics technologies, towards ESCC Salivaomics. Review article, First author. Submitted April 2015

5. Microarray analysis of surgery in morbid obese patients. Co-author, first position. Submitted, March 2015

6. Development of EST-derived SSR Markers with Long-core Repeat in Olive and Their Use for Paternity Testing. Raúl de la Rosa, Angjelina Belaj, Antonio Muñoz Mérida, Oswaldo Trelles,

Inmaculada Ortiz-Martín, **Juan José González Plaza**, et al. Journal of the American Society for Horticultural Science. American Society for Horticultural Science 07/2013; 138(4):290-296.

7. De Novo Assembly and Functional Annotation of the Olive (*Olea europaea*) Transcriptome.

Antonio Muñoz-Mérida, **Juan José González-Plaza**, Andrés Cañada, Ana María Blanco, Maria Del Carmen García-López, José Manuel Rodríguez, et al. DNA Research 01/2013.

8. Genetic analysis of the individual contribution to virulence of the type III effector inventory of *Pseudomonas syringae* pv. *phaseolicola*. Alberto P Macho, Adela Zumaquero, **Juan J Gonzalez-Plaza**, Inmaculada Ortiz-Martín, José S Rufián, Carmen R Beuzón. PLoS ONE 01/2012; 7(4):e35871.

9. Polyamines and peroxidase activity in micropropagated *Colocasia esculenta* treated with NaCl. Giuseppina Pace Pereira Lima, Chrystiane Borges Fráguas, **Juan José González Plaza**, Paulo Roberto Rodrigues Ramos. Científica Jaboticabal. 01/2007; 35(1):22-30.

Scientific communications:

1. IS-MPMI. XIV Congress. Competitive index analysis in *Pseudomonas syringae* pv. *phaseolicola* reveals virulence attenuation for many type III effector mutants. Quebec, Canada. 2009

2. 22nd New Phytologist Symposium: Effectors in plant-microbe interactions. Quantitative contribution to virulence of type III effectors in *Pseudomonas syringae* pv. *phaseolicola*. Versailles, Paris, France. 2009

3. XXXVII Congreso SEG. Generación de herramientas bioinformáticas para el estudio del olivo. Torremolinos, Spain. 2009

4. Plant & Animal Genome XVIII. Generation Of Genomic Tools For The Study Of Olive Tree. San Diego, California, USA. 2010

5. 28th International Horticultural Congress. Generation of Genomic Tools in Olive Tree for the Analysis of Agronomical Traits. Lisbon, Portugal. 2010

6. 8th International Conference on *Pseudomonas syringae* pathovars and related pathogens Secretome-wide analysis of the quantitative contribution to virulence of Type III effectors in *Pseudomonas syringae* pv. *phaseolicola*. Oxford, UK. 2010

7. X Spanish Symposium on Bioinformatics: Workshop on Bioinformatics for Personalized Medicine

- Generation of Genomic Tools in Olive Tree for the Analysis of Agronomical Traits

- Search and Validation of Microsatellite Markers in Olive Tree for the Analysis of Agronomical Traits

- A Plant Architecture Study in Olive Tree

Malaga, Spain. 2010

8. IV Reunión del Grupo Especializado en Microbiología de Plantas. Contribución cuantitativa a la virulencia de los efectores del sistema de secreción tipo III en *Pseudomonas syringae* pv. *phaseolicola*. Tanger, Morocco. 2011

9. Olivebioteq. 4th International Conference for Olive Tree and Olive Products

- Insights of Plant Architecture in Olive Tree through transcriptomic analysis
- Identification of molecular markers in olive tree for the analysis of agronomical traits
- Drafting the mesocarpic and meristematic transcriptomes in olive

Chania, Crete, Greece. 2011

10. 2nd International Conference Personalized Medicine and Global Health

- Effect of Roux-en-Y gastric bypass-induced weight loss on the transcriptomic profiling of subcutaneous adipose tissue
- Gene expression change immediately after IFN beta administration in MS patients according to the therapeutic response

Astana, Kazakhstan. 2015