

PERSONAL DETAILS

Gian-Pietro Di Sansebastiano

SHORT PROFILE

Gian-Pietro Di Sansebastiano is associate professor of General Botany and Professor of Bioproduction at the Department of Biological and Environmental Sciences and Technologies (DiSTeBA) of the University of Salento. He graduated with honors in Biological Sciences at the University of Pavia and obtained a PhD in plant biochemistry from the University of Neuchatel (CH). He gained experience in CIBA-Geigy (Basel, CH) and Imperial College (Wye, London, UK) and developed numerous collaborations. He is today Vice-President of the University course in Biotechnology and, in addition to his didactic and scientific interests in the field of Botany and Plant Biotechnology, he is member of the work group on job placement that handles relations with private sector and local institutions. He is a member of the coordinating group of the "Contamination-Lab" project of the University of Salento, dedicated to the promotion of innovative thinking and entrepreneurship. He is Delegated by the Rector of the University of Salento to the Research Products Valorization from February 2017 to September 2019.

PROFESSIONAL EXPERIENCE

November 2014 →

**Associate Professor - BIO / 01 ("General Botany").**  
**Qualified as Full Professor in BIO/01 sector by the "ASN2014" national scientific certification and confirmed in 2019.**

Member of the Department of Biological and Environmental Sciences and Technologies, DiSTeBA of the University of Salento, Piazza Tancredi 7, 73100 Lecce (Italy)

- Delegate of the Rector to Research Products Valorization;
- Vice-President of the teaching council (University course) in Biotechnology;
- Member of various committees and technical tables;
- Teacher and researcher.

**Activities:** He teaches General Botany, Plant Cell Biology and Bioproduction, according to the skills of the BIO / 01 sector in the Biotechnology and Diagnostics for Cultural Heritage degree courses. He carries out research in the field of plant cell biology concerning the production, sorting and accumulation of proteins and metabolites within plant cells, developing innovative research on membrane trafficking mechanisms for vacuolar compartments and processes related to adaptation to stress and detoxification of pollutants (Phytoremediation).

March 2001-2014 →

**Researcher and Aggregate professor (permanent position at University of Salento) - BIO / 01 ("General Botany").**

At the Department of Biological and Environmental Sciences and Technologies, DiSTeBA of the University of Salento, Piazza Tancredi 7, 73100 Lecce (Italy)

July 1999-2001 →

**Post-doc Researcher (Research associate)**

At the Dep. Of Plant Physiology and Biophysics (d.r. Prof. ██████████) at Imperial College in Wye

(University of London). The college moved in 2004. info: w.raes.de@mpera.ac.uk

**Activities:** He studies SNARE proteins involved in the control of ion channel activity and more generally in vesicle-mediated secretion.

July 1995-1999 → **Assistant and PhD student**

At the Institute of Biology of the University of Neuchâtel, rue Emile-Argand 11, 2000 Neuchâtel, CH.

**Activities:** Assignment as teaching assistant with 50% part-time contract for Molecular Biology and Biochemistry courses, for students of the faculty of sciences (biology, pharmacy and medicine), with practical exercises and assistance.

At the same time, he is a research PhD fellow at the University of Neuchâtel, under the direction of Prof. [REDACTED]. The project proposes the study of the different systems of recognition and transport of vacuolar proteins through the Golgi complex.

June 1994-1995 → **Research post-graduate grant**

Research grant from University of Pavia (Italy) to perfect scientific skills abroad, to be spent at the Ciba-Geigy (today Novartis) research centre: Friedrich Mescher Institute in Basel.

**Activities:** He realizes the mapping of genes involved in the DNA repair system in Arabidopsis thaliana, under the direction of Dr. [REDACTED].

TRAINING

17-19 June 2019

**"Definiamo la terza missione: strategie, modelli, organizzazione e strumenti per massimizzare la valorizzazione della conoscenza e l'impatto sulla società"**

Directed and organized by Fondazione CRUI, held in sede "Conferenza dei Rettori delle Università Italiane", Sala Affreschi, Piazza Rondanini n.48 – Roma

11-14 September 2017

**Summer School Netval: "Exploiting Innovation in Healthcare" Lecce**

Directed and organized by NETVAL (Consortium of 60 Italian TTO offices):

Critical issues related to the regulatory framework, public nature of the bodies involved in clinical research, comparison at a national level, analysis of relevant experiences developed at national level in order to favor the implementation and strengthening of support functions for the exploitation of research results in the clinical-care sector, integration policies, complementarity of the offer between universities and the health system.

June 1995-1999

**PhD in Science (Plant Biochemistry) of the University of Neuchâtel**

University of Neuchâtel, rue Emile-Argand 11, 2000 Neuchâtel, CH.

Tutor Prof. [REDACTED] as supervisor. Title of the thesis work was: "Targeting of soluble proteins to two different vacuoles in the plant cells".

- The project proposes the study of the different systems of recognition and transport of vacuolar proteins through the Golgi complex.
- He develops transformation techniques for Nicotiana and Arabidopsis plants with different binary vectors. He uses Gateway cloning and Green Fluorescent Proteins as marker proteins (of which it produces and re-evaluates some mutants). He earns and uses purification techniques for proteins and cellular fractions. He develops transient expression experiments in tobacco protoplasts and enzymatic tests.

1993-1995

1993-95 Post-graduate studentship in the "Applied Genetics" school in Pavia.

1993/94 Post-graduate collaboration with the Prof. [REDACTED] on the project "RAPD fingerprinting for identification and taxonomic studies in Mus spp." and in the identification and retrotranscription of the gene "ACC synthetase" at the Dep. of Genetics.

September 1989-1993

**Diploma (II level) in Biology (110/110 with honours)**

In the dep. of Genetics and Microbiology ( University of Pavia, Strada Nuova, 65 Pavia.), supervisor Prof. ██████████; thesis title: "Research and experimentation of mitochondrial DNA polymorphisms in horses."

Six months "Erasmus" grant in Copenhagen at the Royal Veterinary School collaborating with the group of Dr. ██████████ studying polymorphic microsatellites.

**PERSONAL SKILLS**

Mother language: Italian

Other languages

	COMPREHENSION		SPOKEN		WRITTEN
	Listening	Reading	Interaction	Oral production	
English	C2	C2	C2	C2	C2
French	C2	B2	C2	C2	B1
Spanish	B1	B1	B2	B1	A1

Levels A1/A2 base - B1/B2 intermediate - C1/C2 advanced

Communication skills

Engaged in educational activities as well as dissemination, with a constant commitment to spreading botanical culture through the Italian Botanical Society.

Engaged in educational activities as well as in the field of Technology-Transfer (TT) as organizer and speaker in seminars and initiatives to promote innovative entrepreneurship from students (Contamination Lab, project "Wild Mycology", project "3B o", Settmana del Lavoro Unsaento).

Since 2009 he is president of the regional section of the same and organizes scientific and social activities, annual social excursions and meetings.

Is active organizing meetings (ENPER meeting 2008, ENPER meeting 2014, UPMT in 2016, Plantday12 and 2 national symposia) and leading international projects initiatives (COST and EU collaborative projects).

He promotes since 2012 the organization and public presentations of the EPSO event "Fascination of Plants day: world day of the charm of plants".

Participates in popular conferences and debates.

He has written for the popular science journals Sapere (Deda), Notzaro Botanico (SBI) and S naps mag (online).

Participates in the National Scientific Degrees Plan. He is responsible for coordinating guidance (or mentoring) activities for the University course in Biotechnology.

Thanks to his scientific activity, he has the opportunity to meet with students of different nationalities carrying out short periods of ERASMUS teaching in Holland (host Amsterdam Ronald Koes), Sweden (Goteborg host Erik Arnsson) as well as in Portugal (Lisbon 25 / 10-16 / 11 2012 host Rui Ma h o and Germany (Tübingen 21 / 01-03 / 02 2014 host Christopher Grefen).

Managerial skills

**Events organization:**

Main organizer:

Since 2018 (2019, 2020) LEb otec (Lecce scientific biotechnology): Biotechnology annual conference at University of Salento with dissemination events and stakeholder involvement.

Series of seminars Unsaento / BPP: "Research Products Valorization: The transfer of ideas from the field of research to the application" May 2017 - June 2018, Lecce

10th Summer School Netva: "Exploiting Innovation in Healthcare" Lecce, 11-14 / 09/2017

International UPMT meeting: Unconventional protein and membrane trafficking. 4-7 / 10/2016 Gran Hotel Tizano, Lecce

Annual meeting 2014 of the European Network for Plant Endomembranes Research (ENPER). 8-11 / 09/2014 Roca, Mendugno, LE

Annual meeting 2008 of the European Network for Plant Endomembranes Research (ENPER). 21-25 / 09/2014 Lecce.

Member of the organizing committee:

PlantDay EPSO 2012, 2015, 2017

Annual meeting of the Working Groups of: Molecular Cell Biology and Biotechnology and Differentiation; 16-18 / 06/2010, Lecce (Italy).

September 2002; 97th Congress of the Italian Botanical Society, Lecce, Italy.

#### **Institutional roles:**

President of the commissions on 2020 (Decreto Rettore n. DR n. 781 Prot. n. 135478 del 03.11.2020) for the "ESAME DI STATO DI ABILITAZIONE ALL'ESERCIZIO DELLA PROFESSIONE DI BIOLOGO". Ordinanza Ministeriale n. del 28.12.2019

Delegate from the Rector of the University of Salento to the Research Products Valorization activities since February 2017.

Vice-president of the didactic council of Biotechnology of the University of Salento since 2017.

Member of the didactic board and secretary of the PhD course in Biology and Biotechnology at DiSTeBA, University of Salento.

Member of the board of the first-level Interfaculty Degree Course "Sciences and Technologies for Cultural Heritage"

Member of the Board of the II-level degree course in "Biotechnology Sciences"

Member of the following institutional commissions:

Joint Committee, Sciences and Technologies for Cultural Heritage; from the academic year 2002-2003 to the present.

Departmental Commission (DiSTeBA) FUR assignment (single research fund), from academic year 2002-2003 to 2006-2007.

Member of the Research Valorization Commission 2017-18.

Departmental Programming Commission (DiSTeBA) 2017-18.

Operative board for the "Labor Week" of the University of Salento.

Member of the coordinating group of the "Contamination-Lab" project of the University of Salento.

#### **Institutional roles in scientific associations:**

2014-present: President of the Regional Section of the Italian Botanical Society (Società Botanica Italiana).

2009-2014: Vice-President of the Regional Section of the Italian Botanical Society (Società Botanica Italiana).

2004-2007: Member of the board of the thematic section of Italian Botanical Society (Società Botanica Italiana) for Cell Development and Biotechnology.

#### **Research projects responsibility:**

P.O.R. PUGLIA FESR-FSE 2014 – 2020 - "Estrazione del Tè" SELEZIONE FACTORY – "STARTMAN" cod. QOJKU40Z (2019-ongoing)- (role) Scientific coordinator

Project of the Italian Botanical Society funded by Regione Puglia "Atante degli alberi monumentali Puglia" protocollo AOO\_036/10820 (2019-2020)- (role) Scientific coordinator

FP6-2002-Mobility-3 project: Development of new molecular tools to study secretion in plants. (2004-2008) MTKD-CT-2004-509253. 48 months- (role) Coordinator

Programma PO PUGLIA FSE 2007-13, Ritoro a Futuro: Estratti da Pianta officinale Pugliese in cosmesi contro la fotocatalisi e dermocosmesi (EPOPAD). (2009-2010) 12 months- (role) Scientific referent PRIN 20001054789\_002; Titolo: Composizione chimica e biosintesi dei componenti primari

parete in m croaghe e canobatter d ambe nt estrem . Coord. Prof. Car o Andreo 24 months- (ro e) Part c pant

PRIN 2002073257\_007 ; T to o : Spec e att ve de oss geno e cross- nks ne a parete come r sposta d d fesa de a p anta a patogen . Coord. Prof. [REDACTED] 24months- (ro e)Part c pant

PRIN 2003052424\_005; T to o : M croorgan sm estremof : stud o de a b os ntes e secrez one de po saccar d d parete ed esoce u ar n cond z on d stress. Coord. Prof. [REDACTED] 24months- (ro e)Part c pant

PRIN 2005052297\_003; T to o : Secrez one d po saccar d e prote ne d parete : meccan sm d contro o ne trasporto post-Go g . Coord Prof. [REDACTED] 24months- (ro e)Part c pant

PRIN 2007K7KY8Y\_003; T to o : Sv uppo e caratter zzaz one d marcator e strument mo eco ar èper mon toragg o d esoc tos ed endoc tos ne r mode amento de apop asto durante a cresc ta e meccan sm d d fesa. Coord. Prof. [REDACTED] 24months- (ro e)Part c pant

PRIN 2009WTCJL8\_005; T to o : Ruo o de compart ment post-Go g ne a trasduz one de segna e patogeno-d pendente ne e p ante : conf uenza d endoc tos , esoc tos e trasporto vacuo are. Coord. Prof. [REDACTED] 24months- (ro e)Part c pant

PSR 2007-2013 PIF Sv uppo Agro ndustra e M s. 124: "Innovaz one ne a f era o v co a 100% jon co sa ent na" progetto d cooperaz one per o sv upo d nuov prodott , process e tecno og e ne settor agr co o e a mentare, e n que o foresta e. 24months- (ro e)Part c pant

PSR 2007-2013 PIF Sv uppo Agro ndustra e M s. 124: "De z e Med terranee" progetto d cooperaz one per o sv upo d nuov prodott , process e tecno og e ne settor agr co o e a mentare, e n que o foresta e. 24months- (ro e)Part c pant

PON01\_01145, progetto d r cerca ndustra e e formaz one. 36months- (ro e)Part c pant

PSR 2007-2013 PIF Sv uppo Agro ndustra e M s. 124: « Ortagg e frutta d Pug a pront n tavo a. Jentu: una f era per nnovare e va or zzare prodott d IV e V gamma » 24months- (ro e)Part c pant

Re ator of PhD thes s (Un vers tà de Sa ento) of dr Fabr z o Barozz n 2018. Co-re ator [REDACTED] PhD n 2011. (Re ator Prof. [REDACTED] . Vr je Un vers ty, Amsterdam, Nether ands). Tutor of dr Mar a De Bened ct s, post-grade research grant R torno a Futuro (Reg one Pug a) 2009-2010.

#### Responsibility in Research evaluation

Rev ewer for the French Agence Nat ona e de a Recherche ANR n 2016

Rev ewer for the Czech Science Foundat on ne 2014

Rev ewer for Ita an reseach eva uat on PRIN ne 2012

Rev ewer for the USA Nat ona Science Foundat on n 2010

Rev ewer for Ita an reseach eva uat on VQR 2004-2010

#### Editorial roles:

Sect on Ed tor "Mo ecu ar Botany" da 2014 per Int. J. Mo . Sc . Ed. MDPI, IF2.464.

Sect on Ed tor sect on "P ant Ce B o ogy" da 2019 per PLANTS Ed. MDPI

Assoc ated ed tor per a r v sta P ant B osystems Ed. Tay or & Franc s

Assoc ated ed tor per a r v sta P ant S gna ng and Behav our Ed. Landes B osc ences.

Rev ew Ed tor per Front ers n P ant Science.

Ed tor per P ant Biochem stry and Phys o ogy, Ed. OMICS group.

Rev ewer ab tua e per a r v sta The P ant Journa , Ed. W ey

Rev ewer ab tua e per a r v sta Journa of Exper menta Botany, Ed. Oxford Un . Press.

Rev ewer ab tua e per a r v sta P ant Phys o ogy, Ed. ASPB.

Rev ewer ab tua e per a r v sta Anna s of App ed B o ogy Ed. Backwe .

<https://pub ons.com/author/310875/g an-p etro-d -sansebast ano#prof e>

#### Expert in PhD thesis jury.

Member, as externa expert, of the thes s jury of [REDACTED] , 10/26/2006.

Thes s D rector Prof. [REDACTED] . Un vers ty of Neuchate , Sw tzer and.

Externa member of the thes s comm ss on of [REDACTED] , 9 October 2007. Thes s d rector [REDACTED]

[REDACTED] University of Vrje, Amsterdam, Netherlands.

Co-speaker of the PhD of [REDACTED] [REDACTED] by [REDACTED] [REDACTED] December 2011. Thesis director [REDACTED]

[REDACTED] University of Vrje, Amsterdam, Netherlands.

External member of the thesis commission of [REDACTED]

[REDACTED]; March 30, 2012. Cycle XXIV PhD in Agro-Food Sciences, Technologies and Biotechnologies. President Prof. Puvrent. University of Modena and Reggio Emilia, Italy.

"Opponent" of the thesis jury of Mohamed Aezzaw, 21/03/2014. Thesis Director Prof. [REDACTED]

[REDACTED] University of Gothenburg, Sweden.

2015 - External member of the thesis commission of [REDACTED], della Università degli Studi di Torino  
26/06/2015

## ADDITIONAL INFORMATION

Published 56 papers on indexed journals, 26 of which as first or corresponding author; 10 book chapters and over 60 minor publications (minor journals, proceedings, abstracts).

Bibliometric records:

ORCID ID: [orcid.org/0000-0001-5388-0695](http://orcid.org/0000-0001-5388-0695)

SCOPUS bibliometric record at 27<sup>th</sup> December 2020

Results found:	61
Sum of the Times Cited:	1465
Citing Articles:	1029
h-index:	19

## List of publications

**Books chapters**

In Biology and Agriculture and Biotechnology. G. Pasqua; PICCINI ed. 2011. ISBN: 978 88 299 2124 9

Chapter 1: Lo studio della cellula vegetale. A. Genre, G.P. Di Sansebastiano p.3 12

Chapter 4: Il sistema di endomembrane. G.P. Di Sansebastiano p.43 56

Chapter 5: Il vacuolo. G.P. Di Sansebastiano, C. Forn p.59 70

Chapter 22: Bioproduzione e biomasse. C. Forn, G.P. Di Sansebastiano p.329 339

Chapter 25: Ingegneria genetica nelle piante. L. Tra notti, L. Lanfranco, G.P. Di Sansebastiano p.359 388

Chapter 26: Aspetti applicativi della transgenesi nei sistemi vegetali. L. Lanfranco, G.P. Di Sansebastiano, L. Tra notti p.389 404

In Plant Signaling: Understanding the Molecular Crosstalk, Editors: Hakeem, Khalid Rehman, Rehman, Reza U, Taher, Inayatullah; Springer ed. 2014. ISBN 978 81 322 1542 4 or 9788132215424:

U Rehman, R., Di Sansebastiano, G. P. Plant Rab GTPases in membrane trafficking and signaling (2014) pp. 51 73. Book chapter DOI: 10.1007/978 81 322 1542 4 3

U Rehman, R., Di Sansebastiano, G. P. SNARE proteins as signaling elements (2014) pp. 39 49. Book chapter DOI: 10.1007/978 81 322 1542 4 2

Di Sansebastiano GP, Barozzi F (2017) Transient Secretory Enzyme Expression in Leaf Protoplasts to Characterize SNARE Function in Conventional and Unconventional Secretion. In: Jiang L. (eds) Plant Protein Secretion. Methods in Molecular Biology, vol 1662. Humana Press, New York, NY. [https://doi.org/10.1007/978 1 4939 7262 3\\_19](https://doi.org/10.1007/978 1 4939 7262 3_19)

Di Sansebastiano, G.P. (2021) Investigation of Drug Efficacy by Screening Bioactive Chemical Effects on Plant Cell Subcellular Architecture. Methods in Molecular Biology, 2021, 2213, pp. 49 58. [https://nkspringer.com/protocol/10.1007%2F978 1 0716 0954 5\\_5](https://nkspringer.com/protocol/10.1007%2F978 1 0716 0954 5_5)

**Patents**

Patent application (Italian on 12/09/2019. Nr. 102019000016148) PCT/EP2020/075391 Title: "Biomass based filter for water purification"

**Papers in indexed JCR journals**

- DE PAOLIS A, CARETTO S, QUARTAA, DI SANSEBASTIANO GP, SBROCCA I, MITA G, FRUGIS G. (2020) Genome Wide Identification of WRKY Genes in Artemisia annua: Characterization of a Putative Ortholog of AtWRKY40. PLANTS (Base ). 9(12):1669. doi : 10.3390/plants9121669.
- MOLESINI B, DUSI V, PENNISI F, DI SANSEBASTIANO GP, ZANZONI S, MANARAA, FURINI A, MARTINI F, ROTINO GL, PANDOLFINI T. (2020) TCMP2 affects tomato flowering and interacts with BBX16, a homolog of the Arabidopsis Box M P1b. PLANT DIRECT. 4(11):e00283. doi : 10.1002/pd3.283. eCollection 2020 Nov.
- MORADI A, ZARINKAMAR F, DE DOMENICO S, MITA G, DI SANSEBASTIANO GP, CARETTO S. (2020) Salicylic Acid Induces Exudation of Crocin and Phenolics in Saffron Suspension Cultured Cells. PLANTS (Base ). 9(8):949. doi : 10.3390/plants9080949.
- PAPADIA P, BAROZZI F, MIGONI D, ROJAS M, FANIZZI FP, DI SANSEBASTIANO GP. (2020) Aquatic Mosses as Adaptable Biofilters for Heavy Metal Removal from Contaminated Water. INT J MOL SCI. 21(13):4769. doi : 10.3390/ijms21134769.
- DE CAROLI M, FURINI A, DALCORSO G, ROJAS M, DI SANSEBASTIANO GP. (2020) Endomembrane Reorganization Induced by Heavy Metals. PLANTS (Base ). 9(4):482. doi : 10.3390/plants9040482.
- DE CAROLI M, MANNO E, PERROTTA C, DE LORENZO G, DI SANSEBASTIANO GP, PIRO G. (2020) CesA6 and PGIP2 Endocytosis Involves Different Subpopulations of TGN Related Endosomes. FRONT PLANT SCI. 11:350. doi : 10.3389/fpls.2020.00350. eCollection 2020.
- SPECIALE C., BENTALEB I., COMBOURIEU NEBOUT N., DI SANSEBASTIANO G. P., IANNI F., FOUREL F., GIANNITRAPANI E. (2020). The case study of Case Bastone: First analyses of 3rd millennium BC palaeoenvironmental and subsistence systems in central Sicily. JOURNAL OF ARCHAEOLOGICAL SCIENCE: REPORTS, vol. 31, ISSN: 2352 409X, doi : 10.1016/j.jasrep.2020.102332
- BAROZZI F, PAPADIA P, STEFANO G, RENNA L, BRANDIZZI F, MIGONI D, FANIZZI FP, PIRO G, DI SANSEBASTIANO GP, (2019) Variation in Membrane Trafficking Linked to SNARE AtSYP51 Interaction With Aquaporin NIP1;1. FRONTIERS IN PLANT SCIENCE 9: 1949. doi : 10.3389/fpls.2018.01949
- ARIANI A, BAROZZI F, SEBASTIANI L, DI TOPPILS, DI SANSEBASTIANO GP, ANDREUCCIA (2019) AQUA1 is a mercury sensitive aquaporin regulated at transcriptional and posttranslational levels by Zn stress. Plant Phys. and Biochem. 135: 588 600. doi : 10.1016/j.paphy.2018.10.038
- DI SANSEBASTIANO GP, BAROZZI F, PIRO G, DENECKE J, DE MARCOS LOUSA C. (2017) Trafficking



- routes to the plant vacuole: connecting a tempestive and classical pathways. *J Exp Bot.* 69(1):79-90. doi: 10.1093/jxb/erx376 IF:5,83
11. GORING DR, DI SANSEBASTIANO GP. (2017) Protein and membrane trafficking routes in plants: conventional or unconventional? *J Exp Bot.* 69(1):1-5. doi: 10.1093/jxb/erx435 IF:5,83
  12. DE BENEDICTIS, M; DE CAROLI, M; BACCELLI, I; MARCHI, G; BLEVE, G; GALLO, A; RANALDI, F; FALCO, V; PASQUALI, V; PIRO, G; MITA, G; DI SANSEBASTIANO, GP. (2017) Vesicle trafficking in three cuticular cuticle exposed to Xylem fast-dose in open field. *Journal of Phytopathology.* 165(9): 589-594. DOI: 10.1111/jph.12596 IF:0,853
  13. BAROZZI, F; DI SANSEBASTIANO, GP; SABELLA, E; APRILE, A; PIRO, G; DE BELLIS, L; NUTRICATI, E (2017) Glutathione S-transferase related detoxification processes are correlated with receptor mediated vacuolar sorting mechanisms. *Plant Cell Reports* 36(9): 1361-1373. DOI: 10.1007/s00299-017-2159-3 IF:2,869
  14. FARACO, M; LI, YB; LI, SJ; SPELT, C; DI SANSEBASTIANO, GP; REALE, L; FERRANTI, F; VERWEIJ, W; KOES, R; QUATTROCCHIO, FM. (2017) A Tonoplast P3B ATPase Mediates Fusion of Two Types of Vacuoles in *Peta* *Ce*. *Ce Reports* 19(12): 2413-2422. DOI: 10.1016/j.ce rep.2017.05.076 IF:8,282
  15. POMPA, A; DE MARCHIS, F; PALLOTTA, MT; BENITEZ ALFONSO, Y; JONES, A; SCHIPPER, K; MOREAU, K; ZARSKY, V; DI SANSEBASTIANO, GP; BELLUCCI, M. (2017) Unconventional Transport Routes of Subcellular and Membrane Proteins and Their Role in Developmental Biology. *Int J Mol Sci* 18(4): 703. DOI: 10.3390/jms18040703 IF:3,226
  16. NESLER, A; DALCORSO, G; FASANI, E; MANARA, A; DI SANSEBASTIANO, GP; ARGESE, E; FURINI, A. (2017) Functional components of the bacterial CzcCBA efflux system reduce cadmium uptake and accumulation in transgenic tobacco plants *New Biotechnology* 35: 54-61. DOI: 10.1016/j.nbt.2016.11.006 IF:3,813
  17. PADIADIA, P; BAROZZI, F; HOESCHELE, JD; PIRO, G; MARGIOTTA, N; DI SANSEBASTIANO, GP. (2017) Csp at n, Oxa p at n, and K tep at n Subcellular Effects Compared in a Plant Model. *Int J Mol Sci* 18(2): 306. DOI: 10.3390/jms18020306 IF:3,226
  18. OCCHIALINI, A., GOUZERH, G., DI SANSEBASTIANO, G. P., NEUHAUS, J. M. (2016) Dimerization of the vacuolar receptors AtRMR1 and 2 from Arabidopsis thaliana contributes to the localization in the trans Golgi network. *Int J Mol Sci* 17(10),1661 IF:3,226
  19. VERGARA D, DE DOMENICO S, MAFFIA M, PIRO G, DI SANSEBASTIANO GP. (2015) Transgenic plants as low cost platform for chemotherapeutic drugs screening. *Int J Mol Sci.* 2015 Jan 20;16(1):2174-86. IF:3,226
  20. DI SANSEBASTIANO GP, RIZZELLO F, DURANTE M, CARETTO S, NISIRI, DE PAOLIS A, FARACO M, MONTEFUSCO A, PIRO G, MITA G. (2015) Subcellular compartmentalization in protoplasts from Artemisia annua cell cultures: engineering attempts using a modified SNARE protein. *Journal of Biotechnology.* 202:146-52. doi: 10.1016/j.jb otec.2014.11.016. IF:2,88
  21. STIGLIANO E, DI SANSEBASTIANO GP, NEUHAUS JM. (2014) Contribution of chitinase A's C-terminal vacuolar sorting determinant to the study of subcellular protein compartmentalization. *Int J Mol Sci* 15(6):11030-9. doi: 10.3390/jms150611030.
  22. DI SANSEBASTIANO GP, LATINO A, DI BARBORA, D, RIZZELLO F, DURANTE, M, CARETTO, S, DE PAOLIS, A, PIRO, G, MITA, G (2014) Exporting Artemisia annua cell compartmentalization on engineering JOURNAL OF BIOTECHNOLOGY 185: S32 Supplement DOI: 10.1016/j.jb otec.2014.07.108
  23. DI SANSEBASTIANO GP, FORNACIARI S, BAROZZI F, PIRO G, ARRUI L. (2014) New insights on plant cell elongation: a role for acetylcholine. *Int J Mol Sci.* 15(3):4565-82. doi: 10.3390/jms15034565.
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**More than 20 formal oral presentations at international meetings.**

