CURRICULUM VITAE

September 2024

Daniel V. Savatin

orcid.org/0000-0002-2165-1369



PERSONAL INFORMATION

Surname: Savatin

Name: Daniel-Valentin

Date of birth: April 07, 1978

Nationality: Italian

Email: daniel.savatin@unitus.it;

P.E.C.: daniel.savatin@pec-legal.it

LinkedIn: https://www.linkedin.com/in/daniel-valentin-savatin-4150ab107/

ResearchGate: Daniel-Valentin Savatin

URL for web site: http://www.unitus.it/it/dipartimento/dafne/laboratori-1/articolo/laboratorio-di-fisiologia-e-biotecnologie-vegetali

EDUCATION

03.2011	Ph.D. in Botanical Sciences (PhD thesis title: "Oligogalacturonides perception and transduction in *Arabidopsis taliana*") Department of Biological and Environmental Sciences, Sapienza University of Rome, Italy
02.2007	Master (Laurea, magna cum laude) in Biology Department of biological and environmental sciences, Sapienza University of Rome, Italy

CURRENT POSITION

11.2021 -	Associated Professor in Plant Physiology (BIO/04) - Department of Agriculture and Forest Sciences (DAFNE), University of Tuscia, Viterbo, Italy

PREVIOUS POSITIONS

2018 - 2021	Assistant Professor in Plant Physiology (BIO/04) Department of Agriculture and Forest Sciences (DAFNE), University of Tuscia, Italy
2016 – 2018	Post-Doctoral Fellow VIB-UGent Center for Plant Systems Biology, Gent, Belgium
2015 - 2016	Post-Doctoral Fellow Department of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy
2014 - 2015	Post-Doctoral Fellow Department of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy
2013 - 2014	Post-Doctoral Fellow Department of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy
2012 - 2013	Post-Doctoral Fellow Department of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy

TEACHING ACTIVITIES

2024 – Lecturer – 'Ecophysiology', Course: 'Digital Management of Agriculture and Mountain Territory' (LM-69), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2019 – Lecturer – 'Plant physiology and principles of biotechnology', Course: 'Agricultural and forestry sciences' (L-25), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2019 – Lecturer – 'Biotechnologies for the plant stress control', Course: 'Biotechnology for agri-food safety and quality' (LM-7), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

INSTITUTIONAL RESPONSIBILITIES

2023 Coordinator of the Plant biotechnologies for plant and global health (PlantBiotech) master's degree program (LM-7), Department of Agriculture and Forest Sciences (DAFNE), Italy

2023 Effective member of the examination committee in the public competition for a category C technician position, University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2022 Member of the evaluation panel for the 'SeedTalent' @ UNITUS Grants - Funding program for postdoctoral research fellowships

2022 Member of the National Center for Frontier Research CN2 (Agritech), spoke 1 - 'Plant, animal and microbial genetic resources and adaptation to climatic changes', University of Tuscia, Italy

2021 Managing Director of Departmental Infrastructures, University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2020 Effective member of the Examination Board for the final exam of the PhD Course in 'Cell and Developmental Biology', cycle XXXII, Sapienza University of Rome, Italy

2019 Member of the Advisory Board for the Faculty Council for the Master Course in 'Biotechnology for agri-food safety and quality' (LM-7), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2019 Member of the Faculty Council for the Master Course in 'Biotechnology for agri-food safety and quality' (LM-7), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2019 Member of the Faculty Council for the Bachelor Course in 'Agricultural and forestry sciences' (L-25), University of Tuscia, Department of Agriculture and Forest Sciences (DAFNE), Italy

2019 Member of the Teaching Board of the PhD course 'Sciences of Plant and Animal Production' (SPVA), University of Tuscia, Italy

2019 Effective member of the Examination Board for the final exam of the PhD Course in 'Cell and Developmental Biology', cycle XXXII, Sapienza University of Rome, Italy

2016 Effective member of the Examination Board for the doctoral dissertation entitled: "Molecular regulation of age-induced programmed cell death in Arabidopsis stigma and maize silk" by Anna Vladimirova Daneva, Ghent University, Belgium.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2019 – 2024 Supervision of 3 Postdocs/ 2 PhD students/ 7 Master Students/ 4 ERASMUS+ Traineeship student – in DAFNE, University of Tuscia, Italy

2016 – 2018 Supervision of 1 PhD student - VIB-UGent Center for Plant Systems Biology, Gent, Belgium

2011 – 2016 Co-supervision of 4 PhD students and 4 Master Students - Department of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy

SCIENTIFIC PROFILE

My research career started in 2008 at Sapienza University in Rome. I focused on molecular mechanisms regulating plant defence activation upon sensing danger signals, such as cell wall-derived oligosaccharins. Cell wall-derived oligogalacturonides (OGs), formed during pathogen attack attempts or by mechanical injury, not only act as Damage-Associated Molecular Patterns, but also regulate plant developmental processes by antagonizing the action of the hormone auxin.

After my PhD in 2011, my work has contributed to the knowledge of the OG biology, by identifying key signalling elements, such as co-receptors (SERKs), MAPKKKs (ANPs), CDPKs (CPK5, CPK6, CP11), ethylene transducer (EIN2), glycine-rich protein (GRP3), and their subcellular dynamics during elicitor-induced immunity. I also contributed to characterize the role of LysM receptor in the growth-defence trade-off as well as to demonstrate that

ANPs play a key role in channelling responses towards plant immunity or development by regulating actin cytoskeleton structure and dynamics.
In 2016 I joined the Brassinosteroids lab at VIB-UGent Center for Plant Systems Biology in Gent, where I contributed to demonstrate that plasma membrane dynamics and clathrin-mediated internalization of activated Pattern Recognition Receptor complex components are required for danger signal initiation by another well-known class of endogenous elicitors, Peps.
I also contributed to the understanding of the precise means of pathogen entry and colonization of floral tissue in *Triticum aestivum*, which is crucial to provide effective protection against Fusarium head blight (FHB) caused by *Fusarium graminearum*, one of the most destructive fungal diseases of wheat worldwide.
In 2019, I started my own research group, and I am Associate Professor in Plant Physiology at the University of Tuscia in Viterbo. Our work aims at combining science-based knowledge with biotechnological methods to develop crops that have higher resilience to biotic stresses.

Since 2011, I have contributed to different book chapters and scientific papers in peer reviewed journals.

BOOK CHAPTERS

Mattei B., **Savatin D.V**., Ferrari S. (2022)
Ruolo degli ormoni vegetali nella regolazione delle risposte immunitarie – Patologia vegetale molecolare - Piccin

Benedetti M., Mattei B., Pontiggia D., Salvi G., **Savatin D.V**., Ferrari S. (2017)
Metodi di isolamento e caratterizzazione degli elicitori oligogalatturonidi. Metodi Mol Biol.1578:25-38 doi: 10.1007/978-1-4939-6859-6_3.

PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED SCIENTIFIC JOURNALS

1. Spada M., Marín-Sanz M., Bigini V., Quagliata G., Coppa E., Barro F., **Savatin D.V.**, Ruggeri R., Sestili F., Rossini F., Astolfi S. (2024). Use of biostimulants for water stress mitigation in two durum wheat (*Triticum durum* Desf.) genotypes with different drought tolerance. Plant Stress. DOI: https://doi.org/10.1016/j.stress.2024.100566

2. Farinon B., Felli M., Sulli M., Diretto G., **Savatin D.V.**, Mazzucato A., Merendino N., Costantini L. (2024). Tomato pomace food waste from different variants as a high antioxidant potential resource. Food Chemistry. https://doi.org/10.1016/j.foodchem.2024.139509

3. Bigini V., Sillo F., Giulietti S., Pontiggia D., Giovannini L., Balestrini R.#, Savatin D.V.# (2024). Oligogalacturonide application increases resistance to Fusarium Head Blight in durum wheat. Journal of Experimental Botany. DOI: 10.1093/jxb/erae050
Corresponding author; last author.

4. Giulietti S., Bigini V., **Savatin D.V.** # (2023). ROS and RNS production, subcellular localization, and signaling triggered by immunogenic danger signals. Journal of Experimental Botany. DOI: 10.1093/jxb/erad449.
Corresponding author; last author.

5. Coppa E., Vigani G., Aref R., **Savatin D.V.,** Bigini V., Hell R. and Astolfi S. (2023). Differential modulation of Target of Rapamycin activity under single and combined iron and sulfur deficiency in tomato plants. The Plant Journal. DOI: 10.1111/tpj.16213.

6. Bertini L., Perazzolli M., Proietti S., Capaldi G., **Savatin D.V.**, Bigini V., Longa C.M.O., Basaglia M., Favaro L., Casella S., Fongaro B., Polverino P. (2022). Biodiversity and Bioprospecting of Fungal Endophytes from the Antarctic Plant Colobanthus quitensis. Journal of fungi. DOI: 10.3390/jof8090979.

7. Tundo S., Paccanaro M. C., Bigini V., **Savatin D.V.**, Faoro F., Favaron F., Sella L. (2021). The fusarium graminearum FGSG_03624 xylanase enhances plant immunity and increases resistance against bacterial and fungal pathogens. International Journal of Molecular Sciences. DOI: 10.3390/ijms221910811.

8. Botticella E., **Savatin D.V.**, Sestili F. (2021). The Triple Jags of Dietary Fibers in Cereals: How Biotechnology Is Longing for High FiberGrains. Frontiers in Plant Science. 2021-09-14. DOI: 10.3389/fpls.2021.745579

9. Bigini V.1, Camerlengo F.1, Botticella E., Sestili F.# and **Savatin D.V**.# (2021). Biotechnological resources to increase disease-resistance by improving plant immunity: a sustainable approach to save cereal crop production. Plants. DOI: 10.3390/plants10061146

Corresponding author; 1 first author.

10. Marti L1., **Savatin D.V.** #1, Gigli,B.N., de Turris V., Cervone F., De Lorenzo G. (2020). The intracellular ROS accumulation in elicitor-induced immunity requires the multiple organelle-targeted Arabidopsis NPK1-related protein kinases. Plant Cell Environ. 2021;1–17. DOI: 10.1111/pce.13978

Corresponding author; 1 first author.

11. Sestili F., Garcia-Molina M.D., Gambacorta G., Beleggia R., Botticella E., De Vita P., **Savatin D.V.**, Masci S., Lafiandra D. (2019). Provitamin A Biofortification of Durum Wheat through a TILLING Approach. International Journal of Molecular Sciences. DOI:10.3390/ijms20225703

12. Ma X., Claus L., Leslie M., Tao K., Wu Z., Liu J., Yu X., Li B., Zhou J., **Savatin D.V.,** Peng J., Tyler B., Heese A., Russinova E., He P. & Shan L. (2019). Ligand-induced monoubiquitination of BIK1 regulates plant immunity. Nature. doi.org/10.1038/s41586-020-2210-3

13. Benedetti M., Locci F., Gramegna G., Sestili F., **Savatin D.V.**# (2019). Green production and biotechnological applications of cell wall lytic enzymes. Applied Sciences. DOI: 10.3390/app9235012

Corresponding author

14. Dejonghe W., Sharma I., Denoo B., De Munck S., Lu Q., Mishev K., Bulut H., Mylle E., De Rycke R., Vasileva M., **Savatin D.V.**, Nerinckx W., Staes A., Drozdzecki A., Audenaert D., Yperman K., Madder A., Friml J., Van Damme D., Gevaert K., Haucke V., Savvides S.N., Winne J., Russinova E. (2019). Disruption of endocytosis through chemical inhibition of clathrin heavy chain function. Nature Chemical Biology. DOI: 10.1038/s41589-019-0262-1

15. Zhou J., Wang P., Claus L.A.N., **Savatin D.V.**, Xu G., Wu S., Meng X., Russinova E., He P., Shan L. (2019). Proteolytic processing of SERK3/BAK1 regulates plant immunity, development and cell death. Plant Physiology. DOI: 10.1104/pp.18.01503.

16. Houbaert A., Zhang C., Tiwari M., Wang K., de Marcos Serrano A., **Savatin D.V**., Urs M.J., Zhiponova M.K., Gudesblat G.E., Vanhoutte I., Eeckhout D., Boeren S., Karimi M., Betti C., Jacobs T., Fenoll C., Mena M., de Vries S., De Jaeger G., Russinova E. (2018). POLAR-guided signalling complex assembly and localization drive asymmetric cell division. Nature. DOI: 10.1038/s41586-018-0714-x

17. Claus L.A.N., **Savatin D.V.** and Russinova E. (2018). The crossroads of receptor-mediated signalling and endocytosis in plants. Journal of Integrative Plant Biology. DOI: 10.1111/jipb.12672.

18. Gigli B.N., **Savatin D.V.,** Cervone F., Engelsdorf T. and De Lorenzo, G. (2018). Loss of the Arabidopsis protein kinases ANPs affects root cell wall composition and triggers the cell wall damage syndrome. Frontiers in Plant Science. DOI: 10.3389/fpls.2017.02234.

19. Tundo S., Janni M., Moscetti I., Mandalà G., **Savatin D.V.**, Blechl A., Favaron F. and D'Ovidio R. (2016) PvPGIP2 accumulation in specific floral tissues but not in the endosperm limits Fusarium graminearum infection in wheat. Molecular Plant Microbe Interaction. DOI:10.1094/MPMI-07-16-0148-R.

20. Ortiz-Morea F.A., **Savatin D.V.**, Dejonghe W., Kumar R., Luo Y., Adamowski M., Begin J., Dressano K., Pereira de Oliveira G., Zhao X., Lu Q., Madder A., Friml J., de Moura D.S., and Russinova E. (2016) Danger-associated peptide signalling in Arabidopsis requires clathrin. PNAS. DOI:10.1073/pnas.1605588113.

21. Gravino M., Locci F., Tundo S., Cervone F., **Savatin D.V**.#, and De Lorenzo G. (2016) Immune responses induced by oligogalacturonides are differentially affected by AvrPto and loss of BAK1/BKK1 and PEPR1/PEPR2. Molecular Plant Pathology. DOI: 10.1111/mpp.12419.

Corresponding author; 1 first author.

22. Gramegna G., Modesti V., **Savatin D.V.**, Sicilia F., Cervone F., and De Lorenzo,G. (2016) GLYCINE-RICH PROTEIN 3 and KINASE-ASSOCIATED PROTEIN PHOSPHATASE, encoding interactors of WALL-ASSOCIATED KINASE 1, negatively affect defence responses induced by oligogalacturonides, local response to wounding and resistance to Botrytis cinerea. Journal of Experimental Botany. DOI: 10.1093/jxb/erv563.

23. Gravino M.1, **Savatin D.V.**1#, Macone A., and De Lorenzo G. (2015) Ethylene production in Botrytis cinerea- and oligogalacturonide-induced immunity requires calcium-dependent protein kinases. The Plant Journal. DOI: 10.1111/tpj.13057

Corresponding author; 1 first author.

24. Gigli B.N., Gravino M., and **Savatin D.V.** # (2015) Luminol-based assay for detection of immunity elicitor-induced hydrogen peroxide production in Arabidopsis thaliana leaves. Bioprotocol. DOI:10.21769/BioProtoc.1685
Corresponding author

25. Savatin D.V.#, Gigli B.N., Gravino M., Fabbri C., Pontiggia D., and Mattei B. (2015) Camalexin quantification in Arabidopsis thaliana leaves infected with Botrytis cinerea. DOI: 10.21769/BioProtoc.1379.
Corresponding author

26. Savatin D.V., Gigli B.N., Marti L., Fabbri C., Cervone F., and De Lorenzo G. (2014) The Arabidopsis NPK1-related protein kinases ANPs are required for elicitor-induced oxidative burst and immunity. Plant Physiology. DOI:10.1104/pp.114.

27. Savatin D.V., Gramegna G., Modesti V., and Cervone F. (2014) Wounding in the plant tissue: the defence of a dangerous passage. Frontiers in Plant Science: DOI: 10.3389/fpls.2014.00470.

28. Paparella C., **Savatin D.V**., Marti L., De Lorenzo G., and Ferrari S. (2014) The Arabidopsis LYSIN MOTIF-CONTAINING RECEPTOR-LIKE KINASE3 regulates the cross talk between immunity and abscisic acid responses. Plant Physiology. DOI: 10.1104/pp.113.233759.

29. Ferrari S., **Savatin D.V.**, Sicilia F., Gramegna G., Cervone F., and De Lorenzo G. (2013) Oligogalacturonides: plant damage-associated molecular patterns and regulators of growth and development. Frontiers in Plant Science. DOI: 10.3389/fpls.2013.00049.

30. Suarez L.1, **Savatin D.V.**1, Salvi G., De Lorenzo G., Cervone F., and Ferrari S. (2013) The non-traditional growth regulator Pectimorf is an elicitor of defence responses and protects Arabidopsis against Botrytis cinerea. Journal of Plant Pathology. 95:1.177-180.
1First author

31. Savatin D.V., Ferrari S., Sicilia F., and De Lorenzo G. (2011) Oligogalacturonide-auxin antagonism does not require posttranscriptional gene silencing or stabilization of auxin response repressors in Arabidopsis. Plant Physiology. DOI: 10.1104/pp.111.184663.

32. De Lorenzo G., Brutus A., **Savatin D.V.**, Sicilia F., and Cervone F. (2011) Engineering plant resistance by constructing chimeric receptors that recognize damage-associated molecular patterns (DAMPs). FEBS Letters. DOI: 10.1016/j.febslet.2011.04.043.

INVITED PRESENTATIONS IN IMPORTANT INTERNATIONAL CONGRESSES AND MEETINGS

2023: XII SIBV Congress, Bari, Italy
2022: CNR Meeting, online presentation
2022: LXV SIGA Annual Congress, Portici, Italy
2022: 9th Plant Genomics and Gene Editing Congress Europe, The Hague, Nederland
2019: LXIII Convegno Annuale SIGA, Napoli, Italy
2017**:** SEB Congress, Gothenburg, Sweden
2016**:** 19th European Network for Plant Endomembrane Research Meeting (ENPER), Bordeaux, France
2015**:** Plant Biology Winter School, Bertinoro, Italy

SYMPOSIA AND COURSES

09.2011 12th International Symposium on Plant Protein Phosphorylation, Tubingen University, Tubingen, Germany
12.2011 Confocal Spinning Disk System: technology, applications and future perspectives. Sapienza University, Rome, Italy
10.2013 Protein Purification and Analysis. Sapienza University, Rome, Italy
04.2013 Keystone Symposia, Plant Immunity: Pathways and Translation, Big Sky, Montana, USA

REVIEWER ACTIVITIES

2023 – Editorial Board Member, Plant Stress, Elsevier, https://www.sciencedirect.com/journal/plant-stress/about/editorial-board

2022 – Associate Editor, Frontiers in Plant Science, Plant Biotechnology section, https://www.frontiersin.org/journals/plant-science/editors

2022 – Associate Editor, Frontiers in Cell Death, https://www.frontiersin.org/journals/cell-death/editors

2022 – Review Board, Frontiers in Plant Science, Plant Pathogen Interactions section

2022 – Review Board, Frontiers in Plant Microbiology section

2021 - Guest Editor for Plants (MDMI) (https://www.mdpi.com/journal/plants/special_issues/Biotechnological_Resources)

2015 – Review Board, Bio-protocol (https://bio-protocol.org/Peer_Review_Board.aspx

I reviewed several manuscripts for different scientific journals including Trends in Plant Science, New Phytologist, Plant physiology and biochemistry, Journal of Cereal Science, Carbohydrate polymers, Marine drugs, IJMS, Plants.

FELLOWSHIPS AND AWARDS

09.2022	Best poster in 'Food and nutrition' section. XVI FISV Congress – Portici, Italy
05.2017	FWO - Grant for participation at a congress abroad - n°K167217N
08.2016	FWO - Grant for participation at a congress abroad - n°K1C4716N
04.2011 - 03.2012	Scholarship award at the Institute Pasteur - Cenci Bolognetti Foundation, Rome, Italy. Project entitled "Plant innate immunity: cell wall-mediated signalling and recognition in plant defence".
11.2007 - 11.2010	Ph.D. fellowship in Plant Physiology. Dept. of Biology and Biotechnologies "Charles Darwin", Sapienza University of Rome, Italy.

ORGANISATION OF SCIENTIFIC MEETINGS

03.2019	Organizer of the international Workshop '*Genome editing for a sustainable agriculture*', UniTus, Viterbo, Italy.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2024 – Member of the Italian Society of Agricultural Genetics

2021 – Member of the Italian Society of Plant Biology

Past memberships: American Society Plant Biology

CURRENT RESEARCH GRANTS

2023-2025	Coordinator of PRIN-PNRR – 'Deciphering early signals in wheat-mycorrhizal fungi communication and their role in mycorrhiza-induced resistance – DISTINCT' - P2022WT93E;
2021-2023	Project Partner in 'Progetti Gruppi di Ricerca 2020' – Lazio Innova – 'ReWaste'-A0375-2020-36720
2021-2024	Project Partner in "INTEGRI - Pasta e prodotti da forno: integrità, salubrità e sostenibilità - Innovazione di processo e di prodotto" (Codice Progetto ARS01_00188 – CUP B84I20001050005 – D.D. n. 1735 del 13707/2017)
2022-2024	Project Partner in Erasmus+ KA220 project titled BIOTE(A)CH: Bridging the Gap Between Biotechnology and Industry: Integrating Design Thinking and Flipped Learning

POSTER COMMUNICATION IN IMPORTANT NATIONAL AND INTERNATIONAL CONGRESSES

I have attended important national and international congresses and presented my results and proceedings in several posters including:

1. **XII Congress of the Italian Society of Plant Biology** – Bari, Italy 11-14 September 2023 - "Re-Waste: a green, sustainable and circular strategy for crop resilience". Martina Felli, A.V. Ceccarelli, V. Bigini, A. Colantoni, **D.V. Savatin.** **Selected for oral communication.**
2. **XII Congress of the Italian Society of Plant Biology** – Bari, Italy 11-14 September 2023 - "The Arabidopsis NPK1-related protein kinases regulate responses triggered by the endoplasmic reticulum stress". Giulietti S., Bigini V., De Lorenzo G., **D.V. Savatin.**

3. **XII Congress of the Italian Society of Plant Biology** – Bari, Italy 11-14 September 2023 - ""Engineering danger sensing and signaling in plant immunity: use of oligosaccharins to enhance durum wheat resistance to fusariosis.' V. Bigini, F. Sillo, Giulietti S., R. Balestrini, **D.V. Savatin. Selected for oral communication.**

4. **XVI FISV Congress** – Portici, Italy 14-16 September 2022– "Re-Waste: a green, sustainable and circular strategy for crop resilience". Martina Felli, A.V. Ceccarelli, V. Bigini, A. Colantoni, **D.V. Savatin. Awarded as best poster in 'Food and nutrition' section.**

5. **XVI FISV Congress –** Portici, Italy 14-16 September 2022– "Increasing durum wheat resistance to Fusarium graminearum by using cell wall- derived oligogalacturonides". Valentina Bigini, M. Felli, A.V. Ceccarelli, S. Giulietti, **D.V. Savatin.**

6. **XVI FISV Congress –** Portici, Italy 14-16 September 2022– "Elucidation of role of the Arabidopsis NPK1-related Protein kinases (ANPs) in Cell Wall biosynthesis and signaling". S. Giulietti, L. Marti, **D. V. Savatin**, G. De Lorenzo**. Selected for oral comunication.**

7. **Workshop: Innovative approaches in sustainable production and protection of Mediterranean strategic Crops** Viterbo, Italy - May 24, 2022 – "Use of oligosaccharins to improve plant immunity: a sustainable approach to enhance resilience to biotic stresses in wheat. Bigini V., Felli M., **Savatin D.V.**

8. **Workshop: Innovative approaches in sustainable production and protection of Mediterranean strategic Crops** Viterbo, Italy - May 24, 2022 – "A sustainable, circular and toxic-free strategy for the crop resilience". M. Felli, A.V. Ceccarelli, A. Colantoni, **D.V. Savatin**

9. **9th Plant Genomics and Gene Editing Congress Europe** - 11-12 April 2022 The Hague, Nederland - "Elucidation of role of the Arabidopsis NPK1-related Protein kinases (ANPs) in Cell Wall biosynthesis and signaling". S. Giulietti, L. Marti, **D. V. Savatin**, G. De Lorenzo**.**

10. **9th Plant Genomics and Gene Editing Congress Europe** - 11-12 April 2022 The Hague, Nederland – "Re-Waste: promoting agriculture sustainability by recycling wet-organic waste". A.V. Ceccarelli, M. Felli, V. Bigini, S. Giulietti, A. Colantoni and **D.V. Savatin**

11. **9th Plant Genomics and Gene Editing Congress Europe** - 11-12 April 2022 The Hague, Nederland - "Increasing durum wheat resistance to Fusarium graminearum by using cell wall- derived oligogalacturonides". Valentina Bigini, M. Felli, A.V. Ceccarelli, S. Giulietti, **D.V. Savatin.**

12. **20th European Network for Plant Endomembrane Research meeting – Prague, Check Republic** 12-15 September 2017 - "Orchestration of the oxidative burst in elicitor-induced immunity requires the multiple organelle-targeted Arabidopsis NPK1-related protein kinases (ANPs)". D. V. Savatin, L. Marti, N. Gigli Bisceglia, V. de Turris, Cervone F., E. Russinova and G. De Lorenzo

13. **5th Congress S.I.B.V.** - Foggia, Italy 18-20 September 2013 - "The triple mitogen- activated protein kinases ANPs regulate immunity by orchestrating signaling and ROS formation in mitochondria, plastids and nucleus". D. V. Savatin, L. Marti, N. Gigli Bisceglia, F. Cervone, G. De Lorenzo

14. **6th International PhD School Plant Development,** Retzbach-Zellingen, Germany 25-27 September 2013 "Arabidopsis NPK1-related proteins (ANPs) mediate signaling in plant immunity". N. Gigli Bisceglia, D. V. Savatin, F. Cervone and G. De Lorenzo

15. **The XI cell wall meeting** - 7-12 July Nantes 2013, France - The triple mitogen-activated protein kinases ANPs regulate immunity triggered by oligogalacturonides and orchestrate signaling and ROS formation in mitochondria, plastids and nucleus. D. V. Savatin, L. Marti., N. Gigli Bisceglia, F. Cervone, G. De Lorenzo

16. **Keystone symposia** - Plant Immunity: pathways and translation - Big Sky, Montana USA 7-12 April 2013 "Sub-cellular localization and elicitor-regulated dynamics of the Arabidopsis NPK1-related proteins (ANPs)". D. V. Savatin, L. Marti, G. De Lorenzo

17. **Keystone symposia** - Plant Immunity: Pathways and Translation Big Sky, Montana USA 7-12 April 2013 "Arabidopsis NPK1-related proteins (ANPs) mediate signaling in plant immunity". N. Gigli Bisceglia, D. V. Savatin, G. De Lorenzo

18. **Keystone symposia** - Plant Immunity: Pathways and Translation Big Sky, Montana USA 7-12 April 2013 "Shared and distinctive features in plant response to damage- and pathogen-associated molecular patterns". M. Gravino, D. V. Savatin, F. Cervone, G. De Lorenzo

19. **XII FISV congress** - Rome, Italy 24-27 September 2012 - "Mitogen-activated protein kinase signaling in plant immunity". D. V. Savatin, N. Gigli Bisceglia, L. Marti, M. Gravino, G. De Lorenzo

20. **XII FISV congress** - Rome, Italy 24-27 September 2012 - "Sub-cellular localization and dynamics of an Arabidopsis

Mitogen-activated Protein Kinase Kinase Kinase (MAPKKK) family involved in elicitor-triggered signaling". L. Marti, D. V. Savatin, G. De Lorenzo

21. **XII FISV congress** - Rome, Italy 24-27 September 2012 - "Shared and distinctive features in plant response to damage- and pathogen-associated molecular patterns". M. Gravino, D. V. Savatin, N. Gigli Bisceglia, F. Cervone, G. De Lorenzo

22. **XII FISV congress** - Rome, Italy 24-27 September 2012 - "An Arabidopsis MAPKKK gene family involved in plant development". N. Gigli Bisceglia, D. V. Savatin, S. Perilli, S. Sabatini, F. Cervone, G. De Lorenzo

23. **2nd International conference on model hosts** - Rhodes, Greece 01-06 September 2012 - "Immune response to damage-associated molecular patterns (DAMPs) in plants". G. De Lorenzo, D. V. Savatin, N. Gigli Bisceglia, L. Marti, G. Gramegna and F. Cervone

24. **AGI-SIBV-SIGA congress** - Assisi, Italy 19-22 September 2011 - "Identification of early transduction elements involved in oligogalacturonide signaling". D. V. Savatin, N. Gigli Bisceglia, F. Cervone, G. De Lorenzo

25. **12th International symposium on plant protein phosphorylation** - Tubingen, Germany 14-16 Sept. 2011 - "Oligogalacturonide-auxin antagonism does not require post-transcriptional gene silencing or stabilization of auxin response repressors in *Arabidopsis thaliana*". D. V. Savatin, S. Ferrari, F. Sicilia, G. De Lorenzo

26. **II SIBV congress** – Rome, Italy 12-14 July 2010 - "Early transduction elements involved in oligogalacturonide signaling". D. V. Savatin, R. Galletti, S. Ferrari, N.Gigli, F. Cervone, G. De Lorenzo

27. **XIV MPMI international congress** - Québec City, Canada, 19-23 July 2009 - "Insight into the antagonism between auxin and oligogalacturonides". D. V. Savatin, F. Sicilia, F. Cervone and G. De Lorenzo

28. **XIV MPMI international congress** - Québec City, Canada, 19-23 July 2009 - "Host-derived signals activate plant innate immunity". R. Galletti, D. V. Savatin, G. De Lorenzo, S. Ferrari

29. **X FISV congress** - Riva del Garda, Italy, 24-27 September 2008 - "The antagonism between auxin and oligogalacturonides". D. V. Savatin, F. Sicilia, F. Cervone and G. De Lorenzo

30. **Plant innate immunity congress** - Keystone, Colorado, USA 10-15 February 2008 - "Oligogalacturonides regulate plant defense and development and antagonize auxin signaling". R. Galletti, F. Sicilia, D. V. Savatin, F. Francocci, L. Mariotti, S. Ferrari, G. De Lorenzo

Date 20-09-2024 Signature

