

Curriculum Vitae
Kriton Kalantidis

Address: Institute of Molecular Biology and Biotechnology
Vassilika Vouton, 70013, Heraklion, Crete, Greece
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<http://www.imbb.forth.gr/kalantidis>

Education:

1991-1995: Ph.D. at the University of Nottingham UK. at the laboratory of Plant Molecular Biology of the department of Life Sciences under the supervision of Drs, BJ Mulligan and ZA Wilson.

1986-1991: Ten-semester undergraduate studies in 'Plant Biotechnology' at the Agricultural University of Prague, Czechoslovakia. Graduation 1991, general grade (**A**) with distinction' (Top 5%).

Post-doctoral service and experience

2002-2005 Post-doctoral fellow at IMBB, Heraklion, laboratory of M. Tabler.

1999-2002 Post-doctoral fellow at IMBB, Heraklion, laboratory of M. Tsagris

1997-1999 Post doctoral fellow at the Agricultural School, University of Thessaloniki, laboratory of A. Tsaftaris.

1995-1997 Mandatory service with the Greek army

Research Focus:

RNA silencing , Viroid biology, Plant viruses, Plant Development

Professional Experience

2005 - 2007 PI Researcher, IMBB/FoRTH, Heraklion, Greece

2004 - 2008 **Adjunct Professor, Department of Biology, University of Crete, Greece**

2008 - 2015 **Assistant Professor, Department of Biology, University of Crete, Greece**

2015 - 2021 **Associate Professor, Department of Biology, University of Crete, Greece**

2014 - 2021 Ad hoc Reviewer and Panel member, FCT, Portugal (7X)

2017 - 2021 Ad hoc Panel Chair, Natural Sciences Panel, FCT, Portugal (4X)

2018 Ad hoc Reviewer, ERC starting Grants, EU (2X)

2018 Ad hoc reviewer FET grant applications, EU (3X)

2018 – 2021 Ad hoc reviewer ANR grant applications, FR (3X)

2021 External Evaluator, Graduate program, School of Life Sciences, Uppsala U., Sweden

2021 Ad hoc Reviewer, ERC Advanced Grants, EU (2X)

Honors and Awards

1986-1991 Graduate studies fellowship, Czech Un. Of Life Sciences, Prague, Czech Rep.

1991 Excellence award, Czech Un. Of Life Sciences, Prague, Czech Rep.

1991-1995 IKY PhD fellowship

2016 Second Prize, Redestos Group Research and Development Business plan Competition.

2018 First prize, "Fotis Kafatos Competition", Lab Box

Professional Societies:

Fed. of European Societies of Plant Biology (FESPB), EPSO, Greek Phytopathological Society, International Study Group for Viroids and Viroid-like RNAs

Journal Reviewer

- BMC Molecular Biology, Biotechniques, FEBS letters, JBC, Journal of General Virology, Journal of Virology, Journal, Plant Physiology, Molecular Plant Pathology, New Phytol., NAR, Planta, Plant Biology, Plant Cell Reports, Plant Science, PNAS, Transgenic Research, Trends in Genetics, Trends in Pl. Sc., PLoS One, Viruses, Virology, Virus Research.

Journal Editor:

- Frontiers in Plant Science
- Frontiers in Virology

Teaching / Training

Undergraduate courses

Dept. of Biology, Univ. of Crete (UOC); “Plant Developmental Biology”, “Advanced technologies in Molecular Biology” tutor and lecturer; “Biotechnology”

Post-Graduate Courses.

Dept. of Biology, UOC:

MSc Program “Molecular Biology and Biomedicine”, “Plant Development” and “RNA silencing lectures” MSc Program, “Plant Mol. Biol. and Biotech.”, “Transgenic plants and GMO Risk assessment” and “RNA silencing Lectures”.

Teaching outside UoC

Visiting Lecturer, 2016- : AUA, Dept. of Biotechnology, “RNA mediated phenomena”

Visiting Lecturer, 2008-2014: NKUA, Dept. of Biology, Postgraduate Program “Microbiology”

Visiting Professor, 2013: Dept. of Cell and Mol. Biology, Un. Of Oslo, Norway, Post-grad course, “RNAi”

Adjunct Professor, 2002-2007: Technical University of Crete, “Biotechnology” Lab-course

Visiting Professor, 2002-2007: CICHEAM, :Arabidopsis Genetics and Research; 2004-2007: “RNAi”

Student Training

Supervised **19 completed Masters projects** and **21 Completed undergraduate projects.**

Supervised **9 completed PhD projects** (Vrettos N. 2004-2009, Dadami E. 2007-2012, Schumacher H. 2005-2009, Helm J. 2006-2011, Mermigka 2011-2015, Vlatakis 2011-2017, Alexiadis 2010-2017, Kryovrysanaki N 2012 –2019), Grypioti 2014-2019.

Current PhD Students

Bardani E. (2018-), Kalemi P. (2019-), Tselika M. (2022)

Academic service

Vice-chair of the Dept. of Biology, 2016-2020

Member of the Scientific Council of IMBB/FoRTH (2018-)

Director of the “Plant Molecular Biology and Biotechnology” Post-Graduate Program, 2016-.

Chair, Department of Biology, University of Crete, Greece 2022-

Member of the University of Crete Senate 2020-

Member of the University committee for Technical Work,s 2010-;

Member of the Departmental Committee for Postgraduate Studies, 2008-

Scientific coordinator of the Departmental Placement program for undergraduate students 2013-2015

Elected Member of the IMBB/FoRTH committee for Scientific Integrity 2020-
Member of the University committee for Sustainable Development 2020-

RESEARCH SUPPORT

#	Source/Type	Title	Role	Duration	Financial contribution for the lab
1.	Fondacion Sante	Exploring Viroid pathogenicity factors	Single beneficiary	2020-2022	50.000
2.	EYDE-ETAK, Academia-Industry Cooperative Projects	Development of novel technologies for monitoring viral diseases-vectors of citrus and evaluation of defense mechanism activation by commercial products	Participant	2020-2023	140.000
3.	Regional Fund	Novel methods for early and efficient detection of plant pathogens	Participant	2018-2021	80.000
4	Infrastructure grant	PlantUp	Participant PI	2017-2021	120.000
5	Infrastructure grant	CMBR	Participant PI	2017-2021	80.000
6	MSC-RISE/H2020	VirFree	Participant PI	2017-2021	47.00
7	MSC-RISE/H2020	GhANA	Participant PI	2017-2021	55.000
8	GSRT AristeiaII	ViroidMiR	Coordinator	2014-2015	180.000
9	GSRT, Post Doctoral grant	Bioenergetic Cross-Talk between RNA Silencing and Photosynthesis in Plants	Coordinator	2011-2014	150.000
10	EYDE-ETAK, Medium Scale Cooperative Projects “Synergasia”	BIOKARPOS, Virus-free material for tree nurseries	Participant PI	2011-2015	120.000
11	EYDE-ETAK, Medium Scale Cooperative Projects “Synergasia”	Regulation of white fly transmitted <i>Criniviruses</i>	Coordinator	2010-2014	150.000
12	EYDE-ETAK, Large Scale Cooperative Projects “Synergasia”	A systems approach into the production of plant and algal diterpenes with high industrial and pharmaceutical value	Participant PI	2010-2014	130.000
13	GSRT, Greek-French cooperation	Functional analysis of the plant ERL1 enzyme in RNA metabolism	Coordinator	2009-2011	20.000
14	European Commission 6 th Framework Programme, STREP program	Functional analysis of miRNAs during early development	Coordinator	2005-2009	250.000

15	European Commission 6 th Framework Programme, EST	Function of small RNAs across kingdoms	Participant PI	2005-2008	800.000
16	GSRT, Cooperative Projects "PENED"	Identification and verification of specific miRNAs and the role of individual Dicer enzymes	Coordinator	2006-2009	200.000

Peer Reviewed Publications In Scientific Periodicals

1. **James A., Andronis C., Kryovrysanaki N., Goumenaki E., Kalantidis K., Katsarou K. 2023.** First Report of Southern Tomato Virus from Tomato (*Solanum lycopersicum*) in Greece. (2023) *Plant Disease*, 107 (1), pp. 237. Doi: 10.1094/PDIS-02-22-0250-PDN.
2. **Katsarou K, Adkar-Purushothama CR, Tassios E, Samiotaki M, Andronis C, Lisón P, Nikolaou C, Perreault JP, Kalantidis K. 2022.** Revisiting the Non-Coding Nature of Pospiviroids. *Cells*. 2022 Jan 13;11(2):265. doi: 10.3390/cells11020265.
3. **Katsarou K, Kryovrysanaki N, Kalantidis K. 2022.** Detection of Viroid RNA and vd-siRNA in *N. benthamiana* Plants: Northern Blot Analyses for Viroid and vd-siRNAs. *Methods Mol Biol.*;2316:287-312. doi: 10.1007/978-1-0716-1464-8_24.
4. **Kryovrysanaki N, James A, Tselika M, Bardani E, Kalantidis K. 2021.** RNA silencing pathways in plant development and defense. *Int J Dev Biol*. 2021 Nov 22.
5. **Sassalou CL, Katsarou K, Lotos L., Orfanidou C., Maliogka VI, Kalantidis K, Katis N, Pappi P. 2020.** First report of Grapevine Yellow Speckle Viroid-2 in Grapevine in Greece. *Plant Disease*, 104:6, 1879-1879.
<https://apsjournals.apsnet.org/doi/10.1094/PDIS-12-19-2540-PDN>
6. **Katsarou K, Chiumenti M, Kalantidis K, Mathioudakis MM. 2020** First Report of Citrus Viroids Infecting Persian (Tahiti) Lime in Greece. *Plant Disease*, 104:3, 998-998.
<https://apsjournals.apsnet.org/doi/10.1094/>
7. **Ales Pecinka, Christian Chevalier, Isabelle Colas, Kriton Kalantidis, Serena Varotto, Tamar Krugman, Christos Michaelidis, María-Pilar Vallés, Aitor Muñoz, Mónica Pradillo, 2020.** Chromatin dynamics during interphase and cell division: similarities and differences between model and crop plants. *Journal of Experimental Botany*, Aug 17;71(17):5205-5222. <https://www.ncbi.nlm.nih.gov/pubmed/31626285>
8. **Dimopoulou A, Theologidis I, Liebmann B, Kalantidis K, Vassilakos N, Skandalis N. 2019.** *Bacillus amyloliquefaciens* MBI600 differentially induces tomato defense signaling pathways depending on plant part and dose of application. *Sci Rep*. 2019 Dec 13;9(1):19120. doi: 10.1038/s41598-019-55645-2.
<https://www.ncbi.nlm.nih.gov/pubmed/31836790>
9. **Katsarou K, Bardani E, Kallemi P, Kalantidis K*. 2019.** Viral Detection: Past, Present, and Future. *Bioessays*. 2019 Aug 22:e1900049. doi: 10.1002/bies.201900049.
<https://www.ncbi.nlm.nih.gov/pubmed/31441081>
10. **Kryovrysanaki N, Alexiadis A, Grigoriadou AM, Katsarou K, Kalantidis K*; 2018.** SERRATE, a miRNA biogenesis factor, affects viroid infection in *Nicotiana benthamiana* and *Nicotiana tabacum*. *Virology*, 29;528:164-175.
<https://www.ncbi.nlm.nih.gov/pubmed/30599275>

11. Athanasakoglou A, Grypioti E, Michailidou S, Ignea C, Makris AM, **Kalantidis K**, Massé G, Argiriou A, Verret F, Kampranis SC.; 2018. Isoprenoid biosynthesis in the diatom *Haslea ostrearia* New Phytol. Nov 5. doi: 10.1111/nph.15586. [Epub ahead of print] <https://www.ncbi.nlm.nih.gov/pubmed/30394540>
12. Katsarou K, Mitta E, Bardani E, Oulas A, Dadami E, **Kalantidis K***, 2018. DCL-suppressed *Nicotiana benthamiana* plants: valuable tools in research and biotechnology. Mol Plant Pathol. Oct 21. doi: 10.1111/mpp.12761. <https://www.ncbi.nlm.nih.gov/pubmed/30343523>
13. Alexiadis A, Delidakis Ch. **Kalantidis K***.2017 The Drosophila Enhancer of RNAi (Eri1) homologue is involved in histonic mRNA processing. FEBS lett. Jul;591(14):2106-2120. <https://febs.onlinelibrary.wiley.com/doi/full/10.1002/1873-3468.12719>



14. Cordero T, Cerdán L, Carbonell A, Katsarou K, Kalantidis K, Daròs JA. 2017. Dicer-Like 4 Is Involved in Restricting the Systemic Movement of Zucchini yellow mosaic virus in *Nicotiana benthamiana*. Mol Plant Microbe Interact. Jan;30(1):63-71.
15. Konstantina Katsarou, Eleni Mavrothalassiti, Wannas Dermauw, Thomas Van Leeuwen, Kriton Kalantidis.*2016. Combined Activity of DCL2 and DCL3 is crucial in The Defense Against Potato Spindle Tuber Viroid. PLoS Pathog. 12(10):e1005936.
16. Mermiga R., Helm JM, Schumacher TH, Vlatakis I., Vamvaka E, Kalantidis K*. 2016. The Plant Homologue of Enhanced RNAi 1 (ERI-1) is Involved in Chloroplast Development Plant J., 88(5):839-853.
17. Konstantina Katsarou, Yun Wu, Runxuan Zhang, Nicola Bonar, Jenny Morris, Pete E. Hedley, Glenn J. Bryan, Kriton Kalantidis* and Csaba Hornyik* 2016. Insight on genes affecting tuber development in potato upon Potato spindle tuber viroid (PSTVd) infection. PLoS One, 11(3): e0150711.
18. Mermigka G, Verret F., and Kalantidis K.*. 2015. RNA silencing movement in plants. JIPB, Apr;58(4):328-42.
19. Rao A.L.N., Kalantidis K. 2015. Virus-associated small satellite RNAs and viroids display similarities in their replication strategies. Virology 479/480: 627-636.
20. Katsarou K, Rao A.L.N., Tsagris M., Kalantidis K.*. 2015. Infectious long non-coding RNAs. Biochimie 17:37-47.
21. Chaturvedi S., Kalantidis K., Rao ALN 2014. A Bromodomain Containing Host Protein Mediates the Nuclear Import of a Satellite RNA of Cucumber Mosaic Virus. *JVI*, 88:1890. *Featured article (Spotlight)*
22. Swevers L., Kolliopoulou A., Li Z., Daskalaki M., Verret F., **Kalantidis K.**, Smagghe G., Sun J. 2014 Transfection of BmCPV genomic dsRNA in silkworm-derived Bm5 cells: Stability and interactions with the core RNAi machinery. J. of Insect Physiol. 64: 21–29.
23. Dadami E., Boutla A., Vrettos N, Tzortzakaki S., Karakasilioti I, and Kalantidis K. * 2013. RNA silencing pathways may have a positive effect on *Potato spindle tuber viroid* infectivity in *Nicotiana benthamiana*. Mol. Plant 6:232-234.
24. Oulas A, Karathanasis N., Louloui A, Iliopoulos I, Kalantidis K* and Poirazi P. 2012 A new microRNA target prediction tool identifies a novel interaction of a putative miRNA with CCND2. RNA Biol. (9:1196-207).
25. Sarris P, Gao S, Karademiris K, Jin H, **Kalantidis K**, Panopoulos N J*. 2011. Phyto bacterial Type III Effectors Enhance Plant Sense-Post Transcriptional Gene Silencing Independently of R Gene-Effector Recognition. MPMI 24:907-17.

26. Dalakouras A., Tzanopoulou M., Tsagris M. and Wassenegger M. Kalantidis K[‡], 2010. Hairpin transcription does not necessarily lead to efficient triggering of the RNAi pathway. *Transgenic Research* 20:293–304.
27. Kotakis C, Vrettos N, Daskalaki M., Kotzabasis K. and Kalantidis K* 2010. DCL3 and DCL4 are likely involved in the light intensity - RNA silencing cross talk in *Nicotiana benthamiana*. *Plant Signal. Behav.* 6(8): 1180-1182.
28. Kotakis C, Vrettos N, Kotsis D, Tsagris M, Kotsabasis K, Kalantidis K*. 2010. Light intensity affects RNA silencing in transgenic *Nicotiana benthamiana* plants. *BMC Plant Biology* 10:220. **Highly accessed.**
29. Oulas A, Boutla A., Gkirtzou K Reczko M., Kalantidis K., and Poirazi P. 2009. Prediction of novel microRNA genes in cancer associated genomic regions – a combined computational and experimental approach. *NAR* , 37(10):3276-87.
30. Kataya A RA,. Suliman MNS, Kalantidis K, Livieratos I C. 2009. Cucurbit yellow stunting disorder virus p25 is a suppressor of post-transcriptional gene silencing. *Virus Research* 145 (1), pp. 48-53.
31. Tsagris EM, Martínez de Alba AE, Gozmanova M, Kalantidis K. 2008 Viroids. *Cell Microbiol.* 2008 Nov;10(11):2168-79. Epub 2008 Sep 1. Review.
32. Nianiou I, Kalantidis K, Madesis P, Georgopoulou U, Mavromara P, Tsaftaris A. 2008. Expression of an HCV core antigen coding gene in tobacco (*N. tabacum L.*). *Prep Biochem Biotechnol*;38(4):411-21.
33. Kalantidis K[#], Schumacher TH, Alexiadis T, Helm MJ. 2008. RNA silencing movement in plants. *Biology of the Cell: 100 (1): 13-26 (Invited Review)*. *Cover feature, "Most Downloaded Article" feature; images from this paper used for the teaching material provided by "The Plant Cell"* .
34. Kalantidis K[#], Denti M., Tzortzakaki S., Marinou E., Tabler M., and Tsagris M[#]. 2007. *Viroid binding protein 1* is necessary for the infection of potato spindle tuber viroid (PSTVd). *JVI*, 81 (23): 12872-880.
35. Koscianska E., Baev V., Skreka K., Oikonomaki K., Rusinov V., Tabler M., and Kalantidis K[#]. 2007. Prediction and preliminary validation of oncogene regulation by miRNAs. *BMC Molecular Biology*, 18 (1):79.
36. Madesis P., Kalantidis K., Nianiou-Obeidat I., Chatzidimitriou K., Panopoulos N., Tsaftaris A. 2007. Expression of the yeast cpd1 gene in tobacco confers resistance to the fungal toxin cercosporin. *Biomol. Engin. (now New Biotechnology)*, 2 : 245-251.
37. Megraw M, , Baev V., Rusinov V, Jensen S., Kalantidis K[#], Hatzigeorgiou AG[#]. 2006 MicroRNA Promoter Element Discovery in Arabidopsis. *RNA*, 12(9): 1612.
38. Tournier B[#], and Tabler M. Kalantidis K[#], 2006. Phloem flow strongly influences systemic spread of silencing in GFP *Nicotiana benthamiana* plants. *Plant J.* 47:383-394. **Cover feature.**
39. Kalantidis K. [#], Tsagris M, Tabler M. 2006. Spontaneous short range silencing of a GFP transgene in *Nicotiana benthamiana* is mediated by small quantities of siRNA that do not trigger systemic silencing. *Plant J.* 45(6):1006-1016. **Cover feature.**
40. Kościańska E, Kalantidis K[#], Sadowski J. and Tabler M. 2005. Analysis of RNA silencing in agro-infiltrated leaves of *Nicotiana benthamiana* and *Nicotiana tabacum*. *PMB.* 59:647-661.
41. Kalantidis K. 2004[#]. Grafting the way to systemic silencing. *PLOS Biol.* 2 (8): 1059-1061. (Invited Minireview).
42. Missiou* A, Kalantidis*[#] K, Boutla A, Tabler M, Tsagris M. 2004. Expression of double-stranded RNA in potato confers complete and broad viral resistance to potato virus Y (PVY) that is unaffected by infections with potato virus X (PVX). *Molecular Breeding* . 14: 185-197.
43. Kosciolek BA, Kalantidis K, Tabler M, Rowley PT. 2003. Inhibition of telomerase activity in human cancer cells by RNA interference. *Mol Cancer Ther.* 2(3):209-16.

44. **Kalantidis K, Psaradakis S, Tabler M, Tsagris M. 2002.** The occurrence of CMV-specific short RNAs in transgenic tobacco expressing virus-derived double-stranded RNA is indicative of resistance to the virus. *MPL*. 15 (8): 826-833.
45. **Boutla A, Kalantidis K, Tavernarakis N, Tsagris M, Tabler M. 2002.** Induction of RNA interference in *Caenorhabditis elegans* by RNAs derived from plants exhibiting posttranscriptional gene silencing. *NAR* 30 (7): 1688-1694.
46. **Kalantidis K, Wilson Z, Mulligan BJ. 2001.** Mitochondrial gene expression in stamens is differentially regulated during male gametogenesis in *Arabidopsis*. *Sex. Pl. Rep.* 14: 299-304.
47. **Mulligan BJ, Wilson Z, Dawson J, Kalantidis K, Vizir I, Briarty G, and Shlumkov L, 1994.** The Use of male sterile mutants of *Arabidopsis* to identify genes essential for male gametophyte development. *Flowering Newsletter (now with J. of Ex. Bot)* 17(5): 12-20. (Invited review).
48. **Aarts MGM, Hodge R, Kalantidis K, Florack D, Wilson ZA, Mulligan BJ, Stiekema WJ, Scott R, Pereira A; 1997.** The *Arabidopsis* MALE STERILITY 2 protein shares similarity with reductases in elongation/condensation complexes. *The Plant Journal* 12 (3), 615-623.
49. **Kalantidis K, Griga M, 1993.** Micropropagation of common bean (*Phaseolus vulgaris* L.) by multiple shoot induction. *Rostl. Vyr. (now: Plant Soil and Environ.)* 38: 115-128.

* Corresponding author

Publication Metrics:

Cumulative Publication Impact Factor: >200 (source InCites IF: 2021)

Citations: >2400 (Google sch) >1700 (, Scopus, ISI 2021)

H-Index: 24 (Google Sch. 2021), 22 (Scopus, 2021),

Contribution in Books:

Kalantidis K, Briarty LG, Wilson Z. Methods for mutant characterisation; nucleic acid hybridisation procedures, microscopy and *in situ* hybridisation. In: «*Arabidopsis: A Practical Approach*» Wilson AW EDS. OUP, Oxford, 2000.

Kalantidis K, Tsaftaris A, Manousopoulos J, Tzortzakaki S, Tsagris M. Generation of 13K-gene sugar beet transformants and evaluation of their resistance to BNYVV infection. *Phytosphere '99. Highlights in European Plant Biotechnology Research and Technology Transfer.* Eds. Gert E. de Vries and Karin Metzlauff. *Developments in Plant Genetics and Breeding*, 6. Elsevier Science, 2000.

Tabler, M, Boutla A, Kalantidis K, and Tsagris M. Short interfering and micro RNAs: tiny but mighty; in: 'Non-coding RNAs' (eds. Barciszewski, J. and Erdmann V.) pp.117-128; Landes Bioscience, Georgetown, Texas USA. 2003

Καλαντιδης Κ. . Ο ρόλος της RNA σίγησης στην ανάπτυξη των φυτών. 2010. Συλλογικός τόμος «ΑΝΑΠΤΥΞΙΑΚΗ ΜΟΡΙΑΚΗ ΒΙΟΛΟΓΙΑ ΦΥΤΩΝ», Επιμέλεια: Κ. Χαραλαμπίδης. Εκδόσεις ΕΜΒΡΥΟ, ΑΘΗΝΑ, 2010.

Helm JM, Dadami E, Kalantidis K. Local RNA silencing mediated by Agroinfiltration. In: *RNAi and Plant Gene Function Analysis.* Eds: H. Kodama and Komamine A. *Methods in Molecular Biology*; Series Ed: Walker J; Springer, 2011.

Oulas A, Karathanasis N, Louloui A, Pavlopoulos GA, Poirazi P, Kalantidis K and Iliopoulos I. Prediction of miRNA targets. In: *RNA BIOINFORMATICS*, Editor Ernesto Picardi. Book Series: *Methods in*

Molecular Biology, Humana Press, 2014.

Flores R., K. Kalantidis K., Replication of Viroids. In: Viroids and Satellites; Hadidi A., Flores R., Randles JW., Palukaitis P., Eds. Academic Press 2017.

Katis IN, Chatzivassiliou EK, Kalantidis K., Tsagris M, and Maliogka V. Cucumber Mosaic Virus. Edited by Peter Palukaitis and Fernando García-Arenal. Chapter 9. Control. APS Press. 2018. In Press

Translation:

Translated Chapters in the Greek editions of three Textbooks:

1. Genetics-from Genes to genomes; Hartwell LH, Hood, L, Goldberg, ML, Reynolds AE, Silver LM, 2015.
2. Biotechnology for Beginners, Rennenberg, R. Sussbier D., Berking, V, Lorocho V. 2018.
3. Botany, an Introduction to Plant Biology, Mauseth, J. 2021.)

Selected Presentations in International Conferences

Kalantidis K, Mulligan BJ; 1992.A genetic approach to the study of anther and pollen development in *Arabidopsis*. Genetics Society contributed papers meeting; , 21-22 October, Nottingham. UK.

Kalantidis K, Vizir I, Wilson Z, Mulligan BJ; 1993. Gamma irradiation mutagenesis of seeds and pollen in *Arabidopsis*. **J Ex. Bot.** 44 Supplement.

Kalantidis K, Wilson Z, Mulligan BJ; 1994. Mitochondrial gene expression in male sterile mutants of *Arabidopsis thaliana*. **J Ex. Bot.** 45 Supplement.

Kalantidis K, Dawson J, Vizir I, Thorlby G, Wilson Z, Briarty LG, Mulligan BJ; 1994. Mapping and characterisation of male sterile mutations in *Arabidopsis*. Abstracts, 4th Int. Cong. of P. M. B. ISPMB, 19-24 June, Amsterdam, The Netherlands.

Kalantidis K, Tsaftaris A., Manousopoulos J., Tzortzakaki S, Tsagris M. 1999; Generation of 13K-gene sugar beet transformants and evaluation of their resistance to BNYVV infection. Second European Conference on Plant Biotechnology, 7-9 June, Rome, Italy.

Kalantidis K., Providaki M., Tabler M, Tsagris M., Tsaftaris A., 2000. Generation of Sugar Beet Transformants with Gene constructs that may affect their Resistance to BNYVV Infection. Plant Virus Invasion and Host Defence. EMBO Workshop, 28 May-1 June, Kolymbari, Crete, Greece.

Kalantidis K., Kotsis D., Tabler M., Tsagris M. 2000. The use of dsRNA technology in the production of virus resistant plants.. "The World Conference of Biotechnology". 3-8 September, Berlin, Germany.

Kalantidis K, Tabler M, Tsagris M. 2002. The occurrence of CMV-specific short RNAs in transgenic tobacco expressing virus-derived double stranded RNA is indicative of resistance to the virus. 10th. IAPTC&B Congress, 'Plant Biotechnology 2002 and Beyond'. June 23-28, Orlando, FL, USA.

Kalantidis K, Psaradakis S, Kyriakopoulou K, Tabler M, Tsagris M. 2002. Analysis of CMV-resistant transgenic tobacco plants. 10 th. FESPP Conference, 1-7 September, Heraklio, Greece.

Kalantidis K., Denti M., Providaki M., Marinou E., Gozmanova M., Tabler M. Tsagris M. 2003. Towards functional analysis of Virp1, a gene encoding for a viroid binding protein. ISPMB. 13-28 June. Barcelona, Spain.

Kalantidis K., Tsagris M and Tabler M. 2004. Spontaneous short range silencing of a GFP transgene in *Nicotiana benthamiana* is mediated by small quantities of siRNA that do not trigger systemic silencing. Plant Molecular Biology, Gordon Conference, 18-23 July, Holderness School, NH, USA.

Kalantidis K., Tzanopoulou M, Dalakouras A, and Tsagri M 2006. Generation of siRNA does not seem to significantly affect methylation of the coding region were the siRNAs originate from, in multiple-transgene-locus tobacco. RNA in gene regulation, Jacques-Monod Conference, 3-7 May, Roscoff, France.

Kalantidis K., Denti MA, Marinou E, Tzortzakaki S, Tabler M and Tsagris M. 2006. Virp1 is a necessary host factor for the infectivity of a viroid, in *N. benthamiana* and *N. tabacum* plants. Plant Molecular Biology, Gordon Conference, 16-21 July, Holderness School, NH, USA.

Schumacher H., Dumitru A., Eckhardt S., Kalantidis K. 2007. Towards a functional analysis of a negative regulator of RNAi. 24th Symposium in Plant Biology, Gene Silencing: The biology of small RNAs and the epigenome., 17-20, January, Riverside, CA, USA.

Vrettos N, Tabler M, Delidakis C and Kalantidis K. 2008. MicroRNA expression profiles at the Drosophila germ line. FEBS JOURNAL Volume: 275 Pages: 155-155 Supplement: Suppl. 1 JUN 2008.

Kalantidis K., Helm J, Vrettos N, Kotakis C, Schumacher H and 2009 Looking for endogenous and exogenous factors affecting stability of transgene expression in plants: Genes and Environment. "RNA at the centre of regulation" 5-8 April. Roscoff, France.

Kalantidis K., G. Mermiga, JM Helm, H. Shumacher, E. Vamvaka 2013. *ENHANCER OF RNAi* in plants is involved in RNA processing in chloroplasts. "Non-Coding RNAs in Plants", , 10-12 July. Leucorea, Wittenberg, Germany.

Kalantidis K. Dadami E. Katsarou K. 2014. Viroids and RNA silencing: a complex relationship. XVI conference of IS-MPMI. 6-10 July. Rodos, Greece.

Kalantidis K, Dadami E and Katsarou K 2015. RNA silencing pathways and *Potato spindle tuber viroid* : a complex relationship Viroids; tri-annual world conference. Ceske Budejovice, 23-25 June, 2015.

K. Kalantidis, Kriovrisanaki N., Bardani I., Mitta E., Grigoriadou A. and Katsarou K. 2018. Understanding the interplay between PSTVd and plant defenses. Viroid-2018. International Conference on Viroids and Viroid-Like RNAs. 5-7 July 2018, Valencia, Spain

Kalantidis K, Katsarou K and Kriovrysanaki N. 2019. Understanding RNA silencing through viroids. Italian Virological Society 2019 meeting. Bari 27-29 May.

Invited speaker:

RNA σίγηση, ένας μηχανισμός ρύθμισης και άμυνας στα φυτά. Τμήμα Βιολογίας, Πανεπιστήμιο Αθηνών, 22 Φεβρουαρίου 2006.

Μηχανισμός και εφαρμογές της RNA σίγησης. Τμήμα Μοριακής Βιολογίας, Δημοκρίτειο Πανεπιστήμιο Θράκης, 14 Μαρτίου 2006.

Μελέτη της διασυστηματικής γονιδιακής RNA σίγησης στα φυτά. 28^ο Επιστημονικό συνέδριο Ε.Ε.Β.Ε. Ιωάννινα, 17-19 Μαΐου 2006.

RNA σίγηση: μηχανισμός και εφαρμογές στην φυτοπαθολογία. 13^ο Πανελλήνιο Φυτοπαθολογικό Συνέδριο, Αθήνα 16-20 Οκτωβρίου 2006.

Unravelling systemic silencing in plants. IPK 2007 lectures: Leibniz Institute for Plant Genetics and Research on Cultivated Plants, Gatersleben, Germany 14. January, 2007.

Molecular mechanisms of RNA silencing in higher plants: implications for development. Uppsala University, 15. February 2007.

Systemic RNA silencing in plants. International ESF Workshop on "Molecular Mechanisms Involving Non-Protein-Coding RNAs", Carry le Rouet, France, 17-20 March, 2007.

Towards a Functional Analysis of the Plant ERI1 gene. 5th meeting of the GMB study section "RNA – Biochemistry", Kassel, Germany 18-21 September 2008.

Looking for endogenous and exogenous factors affecting stability of transgene expression in plants: Genes and Environment. Presentacione Serie 2009. University of Trento, 22. Trento, Italy, April 2009

Κατανοώντας τη δράση παραγόντων που επηρεάζουν την RNA σίγηση στα φυτά: γονίδια και περιβάλλον. 60^ο Πανελλήνιο συνέδριο Ελληνικής Εταιρίας Βιοχημείας και Μοριακής Βιολογίας, Αθήνα 20-22 Νοεμβρίου 2009.

The effect of light on S-PTGS and the crosstalk with the chloroplast. BPI 2nd EUROPEAN WORKSHOP, BPI-PlantHeal. Athens, May 2011

Viroids as models to study RNA biology in plants . Departmental talks 2012 series. Institut de Biologie Moleculaire et Cellular. CNRS. Strassburg, April 2012.

Genetic transformation as a tool for functional studies. BPI 3rd EUROPEAN WORKSHOP The Impact of Agricultural Biotechnology on organisms and the environment, BPI-PlantHeal. Athens, 11 Dec 2012.

RNA-mediated phenomena in plants. INEB/ EKETA, Institutional talks, Spring Series, March 19 2014.

The plant homologue of ENHANCER-OF-RNAi is involved in the processing of chloroplastic RNAs. Humbolt Universitaet, Berlin, Germany, 18 June 2014.

RNA silencing pathways and *Potato spindle tuber viroid* : a complex relationship
Viroids; tri-annual world conference. Ceske Budejovice, 23-25 June, 2015.

Understanding plant RNA biology through viroids. Birkbeck College, Dept. of Cell Biology, Invited seminars, Fall 2016. October 3, 2016.

Understanding plant RNA biology through viroids. Warwick School of Life Sciences. Invited seminars. January 13, 2017.

Disarming plant defense by suppressing DICER expression. *International Conference on Graft-Transmissible Diseases (ICVF)*, Thessaloniki, June 5-9, 2017.

Following RNA silencing pathways. Dept. of Biology, University of Patras. 2020 Departmental Seminar Series.