

CURRICULUM VITAE

Personal Information

Family Name, First Name: **DARAS GERASIMOS**

Gender: **Male**

Date of Birth: **27-12-1981, Greek citizen**

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Education

- **PhD:** **2011** Department of Biotechnology, Agricultural University of Athens, Greece.
Supervisor: Prof. Polydefkis Hatzopoulos.
Title: *"Molecular Systems and Mechanisms of plant development. The function of Lon1 protease and Lefkothea on Arabidopsis development"*
- **M.Sc.:** **2006** Department of Biotechnology, Agricultural University of Athens, Greece.
Supervisor: Assistant Prof. Stamatis Rigas
Title: *"Molecular characterization of plant mitochondrial proteases"*

Experience

2012-2018 Department of Biotechnology, **Agricultural University of Athens**, Greece, Post-Doctoral Researcher

2016-2018 Department of Oenology and Beverage Technology, **Technological Educational Institute of Athens**, TEI Athens, Greece, Adjunct Assistant Professor

2015-2018 Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece, Adjunct Assistant Professor

2012-2013 Department of Molecular Biology and Genetics, **Democritus University of Thrace**, Alexandroupolis, Greece, Adjunct Lecturer

Fellowships

2017 - **IKY Fellowship-Siemens Program (State Scholarships Foundation)** for Postdoctoral Studies in the field of Biotechnology.

2013 - **IKY Fellowship-Siemens Program (State Scholarships Foundation)** for Postdoctoral Studies in the field of Biotechnology.

2008 - **Scholarship from Triantafylledis Foundation** for post-graduate studies in Agricultural Sciences.

2006 - **IKY Scholarship (State Scholarships Foundation)** for Postdoctoral Studies in the field of Agricultural Biotechnology-Plant Biotechnology.

Teaching activities

Graduate Programs

- 2016-2018 2nd Semester – **"Molecular Biology and Genetics of wine"** (Full)
Adjunct Assistant Professor, Department of Oenology and Beverage Technology, **Technological Educational Institute of Athens**, TEI Athens, Greece
- 2016-2017 1st Semester – **"Plant Developmental Biology"** (Full)
Adjunct Assistant Professor, Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece
- 2015-2016 2nd Semester – **"Molecular Biology"** (Full)
Adjunct Assistant Professor, Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece
- 2012-2013 1st Semester – **"Plant Molecular Biology"** (Full)
Adjunct Lecturer, Department of Molecular Biology and Genetics, **Democritus University of Thrace**, Alexandroupolis, Greece
- 2010-2012 1st Semester – **"Molecular Biology - Lab Exercises"** (Full)
Adjunct Lecturer, Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece

Post-Graduate Programs

- 2016-2017 2nd Semester – **"Bioinformatics"** (6 hours)

Adjunct Assistant Professor, MSc in Systems Biology, Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece

- 2016-2017 2nd Semester – “**Molecular Ecophysiology**” (6 hours)

Adjunct Assistant Professor, MSc in Wine, Brewing and Alcohol Technology, Department of Oenology and Beverage Technology, **Technological Educational Institute of Athens**, TEI Athens, Greece

- 2008-2012 2nd Semester – “**Genetically Modified Organisms - Lab exercises**” (Full)

Teaching Assistant, MSc in GMO analysis and Molecular Ecology, Department of Biotechnology, **Agricultural University of Athens**, Athens, Greece

Publications

1. Rigas S., **Daras G.**, Laxa M., Marathias N., Fasseas C., Sweetlove L.J. and Hatzopoulos P. (2009). The role of Lon1 protease in post-germinative growth and maintenance of mitochondrial function in *Arabidopsis thaliana*. [New Phytologist 181: 588-600. \(I.F.: 7.21\)](#)

Comment in: [New Phytologist 2009: 181: 505-508.](#)

“Long bugs to short plants--the Lon protease in protein stability and thermotolerance”, Taylor NL, Millar AH.

2. **Daras G.**, Rigas S., Penning B., Milioni D., McCann M.C., Carpita N.C., Fasseas C. and Hatzopoulos P. (2009). The *thanatos* mutation in *Arabidopsis cellulose synthase 3 (AtCesA3)* has a dominant-negative effect on cellulose synthesis and plant growth. [New Phytologist 184: 114-126. \(I.F.: 7.21\)](#)

3. Rigas S., **Daras G.**, Sweetlove L.J. and Hatzopoulos P. (2009) Who dares to live forever? Mitochondria biogenesis via Lon1 selective proteolysis. [Plant Signaling & Behavior 4:221-224. Invited addendum.](#)

4. Banilas G, **Daras G.**, Rigas S., Moloney M.M., Hatzopoulos P. (2011) Oleosin di- or tri-meric fusions with GFP undergo correct targeting and provide advantages for recombinant protein production. [Plant Physiology & Biochemistry 49\(2\):216-222. \(I.F.: 2.93\)](#)

5. **Daras G.** (2011) Molecular Systems and Mechanisms of plant development. The function of Lon1 protease and Lefkothea on *Arabidopsis* development. [Ph.D. Thesis](#), Agricultural University of Athens, Greece.

6. Rigas S., **Daras G.**, Tsitsekian D., Hatzopoulos P. (2011). The multifaceted role of Lon proteolysis in seedling establishment and maintenance of plant organelle function: living from protein destruction. [Physiologia Plantarum 145\(1\):215-223. Review. \(I.F.: 3.52\)](#)

7. Rigas S., Ditengou F., Ljung K., **Daras G.**, Olaf T., Palme K., Hatzopoulos P. (2012). Root gravitropism and root-hair development constitute coupled developmental responses regulated by auxin homeostasis in the *Arabidopsis* root apex. [New Phytologist 197\(4\):1130-41 \(IF: 7.21\)](#)

Comment in: [New Phytologist 197\(4\):1027-8.](#)

“Pointing PINs in the right directions: a potassium transporter is required for the polar localization of auxin efflux carriers.”, Dolan, L.

8. Panteris E., Adamakis ID., **Daras G.**, Hatzopoulos P., Rigas S. (2014). Differential responsiveness of cortical microtubule orientation to suppression of cell expansion among the developmental zones of *Arabidopsis thaliana* root apex. [Plos One 8\(12\) e82442. \(I.F.: 3.06\)](#)

9. **Daras G.**, Rigas S., Tsitsekian D., Zur H., Tuller T., Hatzopoulos P. (2014) Dual organellar targeting of *Arabidopsis* Lon1 by alternative transcription and translation initiation reveals the evolutionary status of twin presequences. [Molecular Plant ssu030. \(I.F.: 7.14\)](#)

10. Rigas S., **Daras G.**, Tsitsekian D., Alatzas A., Hatzopoulos P. (2014). Evolution and significance of the Lon gene family in *Arabidopsis* organelle biogenesis and energetic metabolism. [Frontiers in Plant Science 11;5:145. \(I.F.: 4.49\)](#)

11. Panteris E., Adamakis ID., **Daras G.**, Rigas S. (2014). Cortical microtubule patterning in roots of *Arabidopsis thaliana* primary cell wall mutants reveals the bidirectional interplay with cell expansion. [Plant Signaling & Behavior 9\(4\) e28737.](#)

12. **Daras G.**, Rigas S., Tsitsekian D., Iacovides T., Hatzopoulos P. (2014). Potassium transporter TRH1 subunits assemble regulating root-hair elongation autonomously from the cell fate determination pathway. [Plant Science 231, 131-137. \(I.F.: 3.36\).](#)

13. Ioannidi E., Rigas S., Tsitsekian D., **Daras G.**, Alatzas A., Makris A., Tanou G., Argiriou A., Alexandrou D., Poethig S., Hatzopoulos P., Kanellis A. (2016). Trichome patterning control involves TTG1 interaction with SPL transcription factors. [*Plant Molecular Biology* 92 \(675\)](#). (I.F. 3.91)
14. Koudounas K., Thomopoulou M., Michaelidis C., Zevgiti E., Papakostas G., Tserou P., **Daras G.**, Hatzopoulos P. (2017). The C-domain of oleuropein β -glucosidase assists the structure and sequesters the enzyme in nucleus. [*Plant Physiology*](#). (I.F. 6.46)