

Curriculum vitae

1. Personal data

Name

Pedro Ângelo Pereira da Silva

ID

12802993

Birthplace and birth date

Lisbon, 23-05-1985

Nationality

Portuguese

Address - residence

Rua Infante D. Henrique n°7 - 1ºDir
2685-213 Portela LRS
PORTUGAL

Contacts

Phone: +351 964 366 963

Email: pedro.angelo.silva@gmail.com

2. Academic background

Year	Degree	Course/Institution	Classification
2011	MSc	Computational Biology Faculty of Science of the University of Lisbon, Portugal	18
2008	MSc	Molecular and Genetic Biology Faculty of Science of the University of Lisbon, Portugal	18
2007	GRADUATION	Microbial and Genetic Biology Faculty of Science of the University of Lisbon, Portugal	14

3. Previous professional activity

Period	Position	Institution
2012.01.01 – Present	PhD student	Instituto Gulbenkian de Ciência, Portugal, and ITQB, Nova University of Lisbon, Portugal
2010.10.01 – 2011.11.30	Researcher	Instituto Gulbenkian de Ciência, Portugal
2009.09.01 – 2010.09.30	MSc student	Faculty of Sciences of the University of Lisbon, Portugal
2007.09.01 – 2009.08.31	Researcher	Center for Biodiversity, Functional & Integrative Genomics – BioFIG, Portugal

4. Scientific area

Computational biology in quantitative characterization of spermatozoa chemotaxis using morphodynamic models and imaging analysis.

Molecular and cellular biology of plant cells with polarized growth.

5. Specialization domain

Specialization domain

Signal transduction mechanisms of pollen tubes.

Morphodynamic modeling of spermatozoa.

Automatic quantitative bioimaging.

Other competences

T-DNA insertion lines analysis

Gene cloning

Electrophoresis

DNA extraction

Confocal and fluorescent microscopy

PCR and RT-PCR

Transient transformation of plant cells

Programming languages proficiency: C/C++ (Qt, OpenCv, OpenGL and others), Java,

Python, R and Mathematica

6. Participation in Projects

PTDC/AGR-GPL/67971/2006 – Importance of arabinogalactan proteins and their glycosylphosphatidylinositol anchor in the gametogenesis of *Arabidopsis* – Team member.

7. Publications

Reiaz Ul-Rehman, Pedro Ângelo Silva and Rui Malhó. (2011) **Localization of arabidopsis SYP125 syntaxin in the plasma membrane sub-apical and distal zones of growing pollen tubes.** *Plant Signaling & Behavior* 6(5), 665-670.

Pedro Ângelo Silva, Reiaz Ul-Rehman, Cláudia Rato, Gian-Pietro Di Sansebastiano and Rui Malhó. (2010) **Asymmetric localization of Arabidopsis SYP124 syntaxin at the pollen tube apical and sub-apical zones is involved in tip growth.** *BMC Plant Biology* 10:179.

8. Communications

Oral communication by invitation

Silva, P. A. **Study of plasma membrane associated proteins in tip growth using *Arabidopsis thaliana* T-DNA insertion lines.** Complementary Cell Biology class, Departament of Plant Biology, Faculty of Science of the University of Lisbon, November 2008.

9. Languages

Language	Reading	Writing	Conversation
Portuguese	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
French	Elementary	Elementary	Elementary

10. Extra activities

2012	3 rd ITQB PhD students' meeting – member of the organising committee.
2003 – Present	VicenTuna – Tuna of Faculty of Science of the University of Lisbon – position of Magister in 2006/2007 and in 2009/2010; position of Maestro in 2008/2009; position of Vice-Magister in 2010/2011.
1992 – 2007	Scouts – C.N.E.

Hobbies

Music, Sports, Reading, Chess, Cinema and Internet.