

## ***Curriculum vitae***

### **Personal Data**

Carolina Emanuel Carreira Gomes Jardim

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### **Academic Degrees**

- **Since 2010** – Attending MsC in Biochemistry – FCUL, Lisboa
- **2006 – 2010** – Degree in Biotechnology Engineer – Universidade Lusófona de Humanidades e Tecnologias (ULHT), Lisboa – Classification 15 Values

### **Previous and current scientific and professional activities**

- **Since September 2011** – Master Student in Biochemistry at Disease and Stress Laboratory / ITQB, Oeiras
- **2009 – 2010** – Undergrad Student – PBFS (Protein Biochemistry and Folding Stability)/ITQB

### **Present Area of Activity**

Biochemistry - Research of polyphenols with neuroprotective potential in a yeast model of degeneration.

### **Present Research Interests**

Investigate the effect of plant secondary metabolites on neurodegenerative diseases that affect man, Parkinson's disease in particular, with a yeast model of degeneration.

Experience on yeast and associated methodologies such as kinetically monitorization of yeast growth, phenotypic growth assays and resazurin based assay. Experience in plant extraction of secondary metabolites of interest such as phenolic compounds and its evaluation by biochemistry methodology (Folin-Ciocalteau and ORAC).

### **Other Skills**

**Bioinformatics knowledge** – Data Bases (NCBI (Blast), SCOP, PDB, Swiss-prot e b-on)  
Processing Data Tools (Clustal, Bioedit, Chromos, Phylip, PAUP and Chimera)

**Protein Analysis** – Protein extraction, purification (In Gel and Affinity Chromatography) and Protein quantification (Bradford, western blotting and SDS-Page electrophoresis).

Spectrophotometry (absorption, fluorimetry and Circular Dichroism) and Bacterial Transformation.

## **Communications**

### Oral communications

- Fernandes, A., Jardim, C.E., Catarino, S., Silva, A.R.,(2009), "*Cultura de Microalgas – Aplicações biotecnológicas*", 1st cycle of conferences "Investigação nos dias de hoje – Biotecnologia, Ambiente, Biologia e Química", ULHT, Lisbon, April 20.

### Posters in conferences

- Freitas, S.P, Jardim, C.E., Catarino, S., Silva, A.R.,(2008), "*Leucemia Mielóide Crónica*", "Genética Molecular: Genes que ditam o nosso quotidiano", ULHT, Lisbon, June 6.
- Martins, M., Silva, A.R, Jardim, C.E., Rocha, M., Catarino, S., (2008), "*Pesquisa de genes de stress em Lactobacillus plantarum*", "Genética Molecular: Genes que ditam o nosso quotidiano", ULHT, Lisbon, June 6.

## **Other Participations**

"*Lusoexpedição - O Banco de Gorringe, a Madeira e o percurso das espécies marinhas no atlântico norte*",(2008), ULHT; From 6 to 15 de June.