CURRICULUM VITAE

Ana Catarina da Silva Almeida

Address: Rua da Bica nr 9 Albergaria-a-Nova 3850-501 Branca, ALB; **Phone number:** +351 916523043

E-mail: a.cdsalmeida@gmail.com; **Date of birth:** June 12, 1985; **Nationality:** Portuguese

SCIENTIFIC PROFILE

Master student with experience in cell and molecular biology. I am currently using bimolecular fluorescence complementation (BiFC) assays to study protein-protein interactions in living neural cells, in the context of the JAK/STAT phosphorylation pathway and neurodegeneration.

RESEARCH EXPERIENCE

Master Student (October 2015 – present)

Cell Structure and Dynamics Laboratory, ITQB, Oeiras, Portugal

Principal Investigator: Federico Herrera, PhD

Subject: Optimization of a BiFC system to study the dimerization of STAT3 in living cells.

Methods: Mammalian cell cultures (HEK293, PC3, U251, cell lines); fluorescence microscopy, flow cytometry, western blotting, EMSA, electrophoresis, bacteria culture, plasmid DNA isolation, protein extraction and quantification.

Graduate Student (September 2014 – June 2015)

University of Évora

Principal Investigator: Maria do Rosário Martins, PhD

Subject: Antimicrobial activity of essential oils of aromatic plants from the region of Alentejo.

Methods: Manipulation of microorganisms (fungi and bacteria) to test the antimicrobial activity of essential oils of endemic species of: *Origanum vulgare subsp. virens*, *Mentha pulegium L.*, *Thymus mastichina subsp. mastichina* and *Lavandula pedunculata (Mill.) Cav.*

WORK EXPERIENCE

Recruitment manager (August 2016-present)

Remax Gap, Oeiras, Portugal

Responsibilities: Part-time job. Placement of job announcements, selections of CVs, marking and conducting selection interviews. Assistant in the coordination of the agency.

Cashier (August and September 2016)

Sonae, Oeiras, Portugal

Neurophysiology Technician (October 2008 – July 2015)

Euromedic International, Évora, Portugal

Responsibilities: Conducting diagnostic exams (Electroencephalogram adult/pediatrics/routine/with or without sleep); Sleep studies (Polyssomnography); Evoked Potentials; assistant in Electromyography.

EDUCATION

Course in Pharmaceutical Bioinformatics

University of Uppsala (Internet based) — January 2017 – May 2017

(Approved with distinction)

Master, Biopharmaceutical Sciences

Faculty of Pharmacy, University of Lisbon — October 2015 – May 2017

(Weighted average of 17 values in 14 curricular units completed, total of 60 ECTS) — Lisbon, Portugal

Bachelor, Biotechnology

(Approved, 16 values (0-20)) — September 2012-June 2015

University of Évora — Évora, Portugal

Post-graduation, Pediatric Neuropsychology

(Approved, 18 values (0-20)) — May 2012-January 2011

CRIAP – "Psicologia e Formação Avançada"; Lisbon — Lisbon, Portugal

Bachelor, Neurophysiology

(Approved, 15 values (0-20)) — September 2003-July 2008

Polytechnic Institute of Porto — Porto, Portugal

OTHER SKILLS AND COMPETENCIES

Personal skills: Ability to organize and administer a workplace, time and material management; Ability to adapt to different social environments; Team spirit, namely with other professionals;

Software: Excellent Microsoft Office and Internet domain; Image treatment: ImageJ, Photoshop; Flow cytometry: FlowJo; Flowing; Data: SigmaPlot, GraphPad; Neurophysiology: Stellate (Harmonie Stellate) and Viasys (VikingQuest)

Hardware: Regular user of centrifuges, Chemidoc Imaging System, Nanodrop spectrophotometer, laminar flow chamber, flow cytometers, conventional and fluorescence microscopes, incubators and conventional laboratory machines.

Languages: Native Portuguese; English Level C1 (effective operational proficiency)

Hobbies: trekking, knitting and reading.

Portuguese driving license type B

CONFERENCE PRESENTATIONS

Oral Communications:

Oral presentation of thesis: "Efficacy evaluation of biofeedback treatment in patients with fecal incontinence". *II Jornadas de Neurofisiologia, 21 – 22 of May 2010, Escola Superior de Tecnologia da Saúde do Porto, Porto, Portugal.*

Poster presentations:

- **Joana Silvestre-Ferreira**, Catarina Almeida, Ricardo Letra-Vilela, Joana Branco-Santos, Federico Herrera **(2017)**. A possible role for Polo-like kinase 1 in the spontaneous dimerization of STAT3. XV Meeting of the Portuguese Society for Neuroscience, May 25-26th, Braga, Portugal.
- **Catarina Silva-Almeida**, Joana Silvestre-Ferreira, Ricardo Letra-Vilela, Joana Branco-Santos, Federico Herrera **(2017)**. A novel system to study the spontaneous dimerization of inactive STAT3. XV Meeting of the Portuguese Society for Neuroscience, May 25-26th, Braga, Portugal.
- Letra-Vilela R, **Silva-Almeida C**, Silvestre-Ferreira J, Branco-Santos J, Herrera F (2017). New protein complementation systems of optogenetic proteins. XV Meeting of the Portuguese Society for Neuroscience, May 25-26th, Braga, Portugal.
- Joana Silvestre-Ferreira, **Catarina Silva-Almeida**, Ricardo Letra-Vilela, Joana Branco-Santos, Federico Herrera **(2017)**. A possible role for Polo-like kinase 1 in the spontaneous dimerization of STAT3. XV Meeting of the Portuguese Society for Neuroscience, May 25-26th, Braga, Portugal.
- Ricardo Letra-Vilela, **Catarina Silva-Almeida**, Joana Silvestre-Ferreira, Joana Branco-Santos, Federico Herrera **(2017)**. New protein complementation systems of optogenetic proteins. XV Meeting of the Portuguese Society for Neuroscience, May 25-26th, Braga, Portugal.
- **Catarina Silva-Almeida**, Ana Maia Rocha, Ricardo Letra-Vilela, Joana Silvestre-Ferreira, Joana Branco-Santos, Federico Herrera **(2016)**. Optimization of a BiFC System to study the STAT3 dimerization in living cells. 1st Symposium on Aging Research, Center for Neuroscience and Cell Biology, 30rd September, Coimbra, Portugal.
- Letra-Vilela R, Branco-Santos J, **Almeida AC**, Herrera F **(2016)**. Development of a new cellular model for the visualization and study of GFAP oligomerization in living cells. *V Congreso da Ordem dos Biólogos/ I Cimeira Ibérica de Biólogos, University of Évora, Portugal.*
- Letra-Vilela R, **Almeida AC**, Branco-Santos J, Rocha AM, Herrera F **(2016)**. The flatworm *Schmidtea mediterranea* as an *in vivo* model for the toxicity of upconverting nanoparticles. *UPCON2016. 1st Conference and Spring School on Properties, Design and Applications of Upconverting Nanomaterials. 23rd- 27th May 2016, Wroclaw, Poland.*