



CV (Magalhaes J)

**Name:** Joana Cristina Silva Magalhaes

**Nationality:** Portuguese

**Date of birth:** 30/12/1982

**Current position:** Senior Researcher at the Tissue Engineering and Cell Therapy Research Group, at the Institute of Biomedical Research of A Coruña (INIBIC) and Spanish Network Centre of Biomedical Research for Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN).

Invited Professor at the University of A Coruña (UDC) in 3 master programs.

Research interests: Biomaterials, Cartilage Tissue Engineering, Cell Therapy, Osteoarthritis, Science Communication through Media

**Position applied for:** YSF educational officer

**Attendance of past ESB conferences:**

26<sup>th</sup> ESB and 11<sup>th</sup> YSF, 2014 (Session Chairman); 25<sup>th</sup> ESB and 10<sup>th</sup> YSF 2014 (Scientific Peer-Reviewer; YSF and Local Organization Team Member. Session Chairman); 8<sup>th</sup> World Biomaterials Congress, 2008.

**Candidate:** Joana Cristina Silva Magalhaes

**Motivation:** *Describe here your personal intent, explaining why you are keen to work in the Young Scientist Forum and elaborate on your interest in one or multiple specific positions in the board. Indicate any qualification or past achievements that recommend you for the preferential position.*

My experience as one of the representatives for YSF in the Spanish Chapter and my participation in the organization and establishment of several educative actions and master programs have encouraged me to present my application for the YSF educational officer position. As a former European funded researcher in the field of Biomaterials, I highly recognize the importance of the promotion of mobility programs and multidisciplinary approaches throughout the scientific career and specially in the initial steps of development. Therefore I strongly support the activities and awards promoted by YSF and would honorably enroll in the position offered.

**Qualification and Past achievements:**

I have a background in Biology by the University of Aveiro, Portugal (2005), spending one curricular year at the University of Ghent, supported by a Socrates-Erasmus mobility scholarship. I was awarded a Marie Curie European Fellowship for Early Stage Training where I had scientific practice in 3 laboratories of excellence (CSIC, Spain; 3B's-University of Minho, Portugal and University of Sheffield, UK), accomplishing 40 ECTS in Marie Curie Tutorial Courses (eg. 12<sup>th</sup> CIRMIB Biomaterials School, EXPERTISSUES, Alea Jacta EST and InVENTS), with 3 travel student awards. I have a European PhD with Summa Cum laude distinction from University

Complutense from Madrid, Spain (2008).

**Current Achievements:**

Since 2013 I am one of the representatives of the Spanish Chapter of CIBER-BBN-YSF in Biomaterials, where I'm involved in different tasks, namely, the organization of a annual session oriented to young researchers at the CIBER-BBN annual meeting (with more than 100 participants), the promotion of the CIBER-BBN-YSF in Biomaterials Award (in recognition of the excellence to the career of young researchers) and the dissemination of the events, activities and awards promoted by general YSF. I have also collaborated in the organization of the 25<sup>th</sup> ESB Conference and 10<sup>th</sup> YSF held in Madrid (2013). I'm also a founder member of the Iberian Chapter of the Marie Curie Alumni Association. At the local level I participate in the organization of a Regenerative Medicine conference (on its 8<sup>th</sup> edition) in collaboration with the University of A Coruña, having created a specific session for the promotion of young researchers in biomaterials, recognized by their innovative ideas, involved in the creation of spinoffs or whose work has generated licensed products that are being applied in the biomedical field. I am the PI of a science communication project funded by the Spanish National Foundation of Science and Technology, coordinating more than 50 professionals, with the main goal of raising public awareness of the biomedical field, with special emphasis on biomaterials, bioengineering and nanomedicine, which has generated 2 radio programs and 1 TV miniseries. Other major concerns of this project are to promote the role of women of excellence in science (noteworthy examples used in the biomaterials field were Molly Stevens and María Vallet-Regí), promote biomedical vocations in students and stimulate the participation of young researchers in activities of science outreach and dissemination.

**Possible Achievements:** *This paragraph is intended for your view on the future of YSF.*

As an YSF Educational officer I will:

Promote training workshops and tutorial lectures with non-conventional topics (eg. New formats of publishing; Open Science; Marketing Strategies; Communication of Biomaterial Science through Media).

Promote an increase in the number of applications for ESB accreditation for organized training programmes from universities and/or research consortia. .

Promote the dissemination of the biomaterials field with other groups of interest such as the media, science museums, also with science outreach activities dedicated to children in order to increase public awareness.

**Communication skills:** *Please list your languages knowledge (only communication level).*

English, Spanish: Proficient level; Portuguese: mother tongue; French: basic knowledge

**Any other ideas/remarks:** *This is totally up to you*

Although some of the ideas hereby expressed can be considered educative I strongly believe that YSF should consider the possibility of opening a Communication and Science Outreach section.

It is reckoned that the Biomaterials field is evolving furthest than ever before with direct implications for patients. In this stimulating era where new advanced-therapy medicinal products are being commercialized (Holoclar-based on stem cells, 2015), society demands for active participation in political decisions concerning scientific advances (for instance the Human Fertilisation and Embryology (Mitochondrial Donation) UK Regulations 2015) and for this society needs to understand concepts, benefits and limitations.

Also there is a deficit of students enrolling STEM fields that are directly related to the professionals expected to be in the highest demand from industry for 2020 (including biomaterials). This young people need to be encouraged to enroll in scientific careers and this could be accomplished through the Media.

In this sense I believe that YSF should consider increasing its efforts in the promotion of the biomaterials field to the society.