

## Nuria Genicio Bouza

Rúa Cândido de Oliveira 132, 9 DTO, 4715-012 São Vitor (Braga)

ngenicio@gmail.com

+351 910899118

### Academic data

---

**2005 Master Degree pre-Bologna in Biochemistry**, University of Salamanca (Degree pre-Bologna in Chemistry, University of Santiago de Compostela).

### Experience

---

**Currently: *International Iberian Nanotechnology Laboratory (INL)***, Braga (Portugal)

Position: **Research Fellow**

**May 2016-October 2018: *Center of Molecular and Environmental Biology (CBMA)***, University of Minho, Braga (Portugal)

Position: **Research Technician**

**July 2013-December 2014: *Institute of Ophthalmology***, University College London (UCL), London (UK)

Position: **Research Assistant**

**July 2012-July 2013: *Institute of Ophthalmology***, University College London (UCL), London (UK)

Position: **Research Technician**

**September 2007-December 2011: *Center for Cooperative Research in Biomaterials (CICbiomaGUNE)***, San Sebastian (Spain)

Position: **Laboratory Research Technician**

**August 2006-August 2007: *Grupo Leche Pascual***, Aranda de Duero-Burgos (Spain)

Position: **Research Assistant in R&D Department**

**June 2006-July 2006: *SAINT GOBAIN Vicasa***, Burgos (Spain)

Position: **Quality Control Assistant**

**Summer 2004: *Aquagest***, Palencia (Spain)

Position: **Quality Control Assistant**

### Extraacademic data

---

- 2017: **Certificate in German: A1**, BabeliUM, Braga (Portugal)
- 2016: **Certificate in Portugues: B2/B2+**, BabeliUM, Braga (Portugal)
- 2016: **Implementation of Quality Management System according to NP EN ISO 9001:2015**, 14h, XZ consultores, Braga
- 2016: **Approach to Quality Management System (ISO 9001:2015)**, e-learning course, XZ consultores, Braga
- 2015: **Fundamentals in Genetics, Development and Neoplasia** postgraduate course, ICVS, Braga
- 2015: **Laboratory Animal Science Category c**, Felasa accreditation, IBMC, Porto
- 2015: **Cambridge English: First Certificate (FCE)**
- 2011: **Atherothrombosis: thrombosis and vascular permeability** (at the IIS Fundación Jiménez Díaz, 11 hours, Madrid)
- 2010: **Fire prevention and extinction** (at CICbiomaGUNE, 8h, San Sebastián-Spain)
- 2008: **Factory Conversation English** (at CEI Formation School and and Factory Consultancy, S.L, 60 hours, San Sebastián-Spain)
- 2007: **English** (at Caja Círculo Languages School, Aranda de Duero-Burgos-Spain)

## Publications

---

- **Magnetic glyconanoparticles as a versatile platform for selective immunolabelling and imaging of cells**, Garcia I., Gallo J., Genicio N., Padro D., Penades S., **Bioconjugate. Chem.**, 2011 22, 264-273
- **Specific labelling of cell populations in whole blood with targeted *immuno*-fluorescent magnetic glyconanoparticles**, Gallo J., Genicio N., Garcia I., Padro D., Penadés S., **Biomaterials** 2011 32 9818-9825
- **Uptake and intracellular fate of fluorescent-magnetic-glyconanoparticles**, Gallo J, Genicio N., Penadés S, **Advanced Healthcare Materials** 2012 1 302-307
- **Sugar/Gadolinium-loaded gold nanoparticles for labelling and imaging cells by magnetic resonance imaging**, Ainhoa Irure, Marco Marradi, Blanca Arnaiz, Nuria Genicio, Daniel Padro and Soledad Penades, **Biomaterials Science** 2013 1 658
- **CdTe-based QDs: Preparation, Cytotoxicity and Tumor Cell Death by targeting Transferrin Receptor**, Juan Gallo, Isabel Garcia, Nuria Genicio and Soledad Penades, **Particle and Particles Systems Characterization** 2014 31 126-133
- **Quantum dot labelling and tracking of cultured limbal epithelial cell transplants in-vitro**, Genicio N., Gallo J. Shortt A.J, **IOVS** 2015 56 3051-3059
- **Targeted gold-coated iron oxide nanoparticles for CD163 detection in atherosclerosis by MRI**, Tarín C, Carril M, Martín-Ventura JL, Markuerkiaga I, Padró D, Moreno JA, García I, Genicio N, Plaza S, Blanco-Colio LM, Penadés S, Egido J., **Sci Rep.** 2015 Nov 30;5:17135
- **Latent capability of Biofunctionalized-Heavy Metal Free Quantum dots for tracking of transplanted limbal epithelial stem cells in the cornea**, Genicio N., Gallo J., Dziasko M., Shortt A.J, in preparation

## Conference proceedings

---

Genicio Nuria, Gallo Juan, Dziasko Marc, Long Nicholas J., Shortt Alex J., "Biofunctionalized heavy metal free quantum dots (HMF-QDs) as a tool for tracking transplanted limbal epithelial cells", ARVO 2014, 2<sup>nd</sup>-4<sup>th</sup> May Orlando 2014

Monica Carril, Carlos Tarin, Irati Markuerkiaga, Jose Luis Martín-Ventura, Daniel Padro, Jose Antonio Moreno, Isabel García, Nuria Genicio, Luis Miguel Blanco-Colio, Jesus Egido, Soledad Penades, "CD163-Targeted Gold-Coated Iron Oxide Nanoparticles for *in vivo* MRI Imaging of Atherosclerosis", **WMIC2013**, 18-21<sup>th</sup> September Savannah 2013

Gallo J., Garcia I., Genicio N., Padro D., Penadés S., "Core@shell fluorescent magnetic *glyco*-ferrites as specific targeted contrast agents for magnetic resonance imaging", **TNT2010**, 6-10<sup>th</sup> September Braga 2010

---

### Languages

**English:** high

**Spanish/Galician:** mother tongue

**Portugues:** high

### Computing

Computing Course (2003)  
(Windows, Word, Excel, Power Point)

### Other data

Driving licence and own vehicle  
Shortt term job as Shop Assistant and  
Room maid