

CAROLINA LLIBERÓS REQUESENS

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EDUCATION

May 2017 – present	PhD student in Medicine, Nursing and Health Sciences (Monash University)
2013 - 2014	Molecular Biotechnology Master. Universitat de Barcelona (Barcelona, Spain). Average score: 9/10
2009 - 2013	Biotechnology B.S. Universitat Rovira i Virgili (Tarragona, Spain). Average score: 8.13/10

PROFESSIONAL EXPERIENCE

December 2017 - present	Monash University (Clayton, Australia). PhD student. Ovarian biology lab (PI: Dr. Karla Hutt). Project: <u>Understanding the impact of inflammatory processes on ovarian ageing and fertility.</u>
May 2016 – April 2017	Rovira i Virgili University, URV (Tarragona, Spain). Nutrigenomics research group (PI: Dr. Cinta Bladé). Postgraduate internship developing the project: <u>Differential effect of GSPE intake on rat muscle energy metabolism applying circadian rhythms.</u>
Nov. 2015 – April 2016	German Cancer Research Center, DKFZ (Heidelberg, Germany). Postgraduate internship at Translational Immunology Division (PI: Dr. Angel Cid). <u>Tumour therapy using ScFv-targeted liposomal drug delivery: Development and <i>in vitro</i> validation.</u>
Sep. 2013 – July 2014	Universidad de Barcelona (School of Pharmacy, Barcelona, Spain). Master thesis student at Cancer therapy group (PI: Dr. Verónica Noé). <u>Gene therapy using PPRH-liposome complexes targeting mTOR pathway in cancer cells.</u>
2013 (April - June)	Pere Virgili Institute, IISPV (Reus, Spain). Undergraduate student at Psychiatry research group (PI: Dr. Elisabet Vilella). <u>Genotyping and OPCML gene expression studies in human brain samples. DDR1-targeted nanoparticles in human oligodendroglial cells.</u>
2012 (June - August)	Biomedical Institute of Valencia, CSIC (Valencia, Spain). Summer Undergraduate student at Molecular Genetics Unit (PI: Dr. Jordi Pérez Tur). <u>SNP genotyping analysis of Parkinson's disease samples.</u>

SYMPOSIA, CONFERENCES AND WORKSHOPS

2018 (19-22 August)	2018 Annual Scientific Meeting of the Society for Reproductive Biology (SRB). Finalist of Early Career Researcher Poster Award. Lightning talk. Adelaide, Australia
2018 (12-13 June)	Monash BDI Graduate Student Symposium (Assistant). Clayton, Australia
2016 (26 February)	Pre-clinical models for Immuno-oncology research Workshop (Assistant). The Jackson Laboratory. Heidelberg, Germany
2014 (10-11 June)	XXI Molecular Biology Symposium. Catalan Society of Biology (Assistant). Barcelona, Spain
2014 (17-18 May)	V biotechnologists of Catalonia Symposium (Assistant). Barcelona, Spain
2013 (23 June)	IV biotechnologists of Catalonia Symposium (Organization). Tarragona, Spain

2012 (18 - 20 June) VI Biotechnology Spanish Federation Congress (Assistant). Madrid, Spain

2011 (6-8 July) V Biotechnology Interuniversity Congress (Organization). Tarragona

ARTICLES

1. Rodríguez, L., Villalobos, X., Solé, A., Lliberós, C., Ciudad, C. J., & Noé, V. **Improved design of PPRHs for gene silencing.** *Mol. Pharmaceutics*, 2015.
2. Villalobos, X., Rodríguez, L., Solé, A., Lliberós, C., Mencia, N., Ciudad, C. J., & Noé, V. **Effect of PPRHs on Relevant Cancer Target Genes in Different Human Cell Lines.** *Nucleic Acid Ther.*, 2015.

EXPERIMENTAL TECHNIQUES

- Molecular Biology Techniques: PCR, RT-qPCR and Western blot
- Immunofluorescence, immunohistochemistry
- Basic microbiological techniques
- Polymorphism genotyping by: SNP, RFLP, ARMs, High-resolution melting and TaqMan®
- *In vitro*: Cell Culture techniques; *In vivo*: Rat, Zebrafish and Mouse management
- Extraction of biological material (DNA, RNA, protein)
- Flow cytometry
- CHIP-Seq, RIP-Seq
- CRISPR-Cas9 approach (*in vivo* and *in vitro*)
- Stainings: PicroSirius Red, Masson's Trichrome, TUNEL assay
- Stereology (ovarian follicles number)

GRANTS

August 2018	SRB Student Travel Grant 2018 awarded by SRB to attend SRB conference 2018
May 2017 – present	Biomedicine Discovery Scholarship awarded by School of Biomedical Sciences (Monash University)
May 2016 – April 2017	Martí-Franqués Research grant awarded by Rovira i Virgili University
Nov. 2015 – May 2016	Argo mobility program grant funded by the Spanish Ministry of Education, Culture and Sport. Translational Immunology Division at DKFZ (Heidelberg)
Sep. 2013 – Jun. 2014	Department collaboration grant awarded by the Spanish Ministry of Education, Culture and Sport. Biochemistry and Molecular Biology Department (School of Pharmacy, UB)

LANGUAGE SKILLS

English	IELTS test. Overall Band Score: 6.5 (Date: 22.10.2016)
German	Basic knowledge
Spanish and Catalan	Native level

COMPUTER SKILLS

Statistical programs: SPSS, GraphPad Prism

Online Server for Metabolomic Data Analysis (MetaboAnalyst)

COURSES

February-March 2017	Biostatistics Course: XLSTAT
April 2016	FACS Course: Introduction into Flow Cytometry. DKFZ
March 2014	Experimental Animal Use Training. Universidad de Barcelona
March 2014	Occupational Risk Prevention. Formación sin barreras. 90 hours