CURRICULUM VITAE

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Academic Training

Institution	*Degree*	*Year*	*Area*
Faculty of Medicine - University of Coimbra, Portugal	*PhD*	*2006*	*Biomedical Sciences*
Faculty of Medicine - University of Coimbra, Portugal	*MSc*	*1998*	*Vision Sciences*
Faculty of Sciences and Technology-University of Coimbra, Portugal	*BSc*	*1995*	*Biochemistry*

Previous positions

Post Doctoral Research Positions for the National Scientific and Technological System (CIENCIA 2007)	*IBILI-Faculty of Medicine, Univ Coimbra*	*2008-2010*
PostDoc Research fellow	*Institute of Molecular Biology of Barcelona*	*2006-2008*
Research Fellowship	*Biomedical Institute for Research in Light and Image, University of Coimbra*	*2002/2005*
PhD Grant Holder	*Biomedical Institute for Research in Light and Image, University of Coimbra* *Department of Biochemistry, University of Dundee (Scotland)* *Lab. for Nutrition and Vision Research, Tufts University, Boston, (USA)*	*1998/2001*
Master Grant Holder (JNICT)	*Biomedical Institute for Research in Light and Image, University of Coimbra*	*1996/98*

Present positions	Institution	
Auxiliary Investigator	*Faculty of Medicine - University of Coimbra*	*2010-Present*
Vice-chairperson of the Cardiovascular Council	*Faculty of Medicine - University of Coimbra*	*2013-Present*
Member of the General Meeting	*Faculty of Medicine - University of Coimbra*	*2013-2015*
Leader of the Group "Ubiquitin-dependent Proteolysis and Intercellular Communication"	*IBILI - Faculty of Medicine*	*2012-Present*
Coordinator of the IBILI Research Line "Ageing and Molecular Mechanisms of Disease"	*IBILI - Faculty of Medicine*	*2012-Present*
Director of the Laboratory of Biostructural Imaging	*Faculty of Medicine - University of Coimbra*	*2012- Present*
Director of the Pole of the University of Coimbra - RNME	*National Network of Electron Microscopy*	*2012-Present*
National Coordinator of "National Network of Electron Microscopy"	*National Network of Electron Microscopy*	*2014-Present*
Scientific Council of IBILI	*Faculty of Medicine - University of Coimbra*	*2012-Present*
Directive Board of the PhD programme in Health Sciences	*Faculty of Medicine - University of Coimbra*	*2012-Present*
Board of Directors of the Inter-University Doctoral Programme in Ageing Chronic Diseases	*Faculty of Medicine - University of Coimbra*	*2012-Present*
Coordination Board of the Master in Biomedical Research	*Faculty of Medicine - University of Coimbra*	*2010-Present*
Member of the Management Committe of COST Action PROTEOSTASIS BM1307	*European Research Concerted Action COST BM1307: European Network to Integrate Research on Intracellular Proteolysis Pathways in Health and Disease*	*2014-Present*
Working Group Leader - COST Action PROTEOSTASIS BM1307	*European Research Concerted Action COST BM1307: European Network to Integrate Research on Intracellular Proteolysis Pathways in Health and Disease*	*2014-Present*

Research Grants Principal Investigator	Title	Year
GAI_FMUC_HG/2014	*Disruption of intercellular communication in the ischemic heart: exosomes bring the news*	*2014*
PTDC/SAU-ORG/119296/2010	*Unravelling the molecular events of gap junction remodelling in ischemic heart*	*2012*
FCT- PTDC/SAU-ORG/118694/2010	*An animal model for age-related changes in proteostasis*	*2012*
PTDC/SAU-ORG/113542/2009	*Tumorigenesis as a working model for the physiological role of HIF-1alpha degradation by chaperone-mediated autophagy*	*2010*
PTDC/SAU-OSM/67498/2006	*A new route for endothelial dysfunction on diabetes: From phenotypes to molecules*	*2006-2008*

PhD/ MSc supervision and co-supervision

Supervision of 6 PhD students
Co-supervision of 2 PhD students
Supervision of 9 Master students
Co-supervision of 9 Master students
Supervisor of 5 Postdocs

Recent publications

Martins-Marques T, Isabel Anjo S, Pereira P, Manadas B, Girao H. Interacting network of the gapjunction protein connexin43 is modulated by ischemia and reperfusion in theheart. Mol Cell Proteomics, August 27, 2015, doi:10.1074/mcp.M115.052894.

Soares AR, Martins-Marques T, Ribeiro-Rodrigues T, Ferreira JV Catarino S, Pinho MJ, Zuzarte M, Anjo SI, Manadas B, Sluijter JPG, Pereira P, Girao H. Gap junctional protein Cx43 is involved in the communication between extracellular vesicles and mammalian cells. Sci Reports 2015, 5:13243.

Santos-Oliveira P, Correia A, Rodrigues T, Ribeiro-Rodrigues T, Matafome P, Rodriguez-Manzaneque JC, Seiça R, Girao H, Travasso RDM. The force at the tip - modelling tension and proliferation in sprouting angiogenesis. PLOS Computational Biology. 2015, 11(8):e1004436.

Ferreira JV, Soares A, Ramalho JS, Pereira P, Girao H. K63 linked ubiquitin chain formation is a signal for HIF1A degradation by Chaperone-Mediated Autophagy. Sci Reports 2015, 5:10210

Gonçalves S, Padrão J, Rodrigues IP, Silva JP, Sencadas V, Lanceros-Mendez S, Girão H, Dourado F, Rodrigues LR. Bacterial Cellulose as a Support for the Growth of Retinal Pigment Epithelium. Biomacromolecules 2015, 16:1341-51

Martins-Marques T, Catarino S, Marques C, Matafome P, Ribeiro-Rodrigues T, Pereira P, Girão H. Heart ischemia results in Connexin43 ubiquitination localized at the intercalated discs. Biochimie 2015, 112:196-201

Ribeiro-Rodrigues T, Catarino S, Pinho MJ, Pereira P and Girao H. Connexin 43 ubiquitination determines the fate of gap junctions: restrict to survive. Biochem Soc Trans 2015, 3:471-5

Martins-Marques T, Catarino S, Marques C, Pereira P, Girão H. To beat or not to beat: degradation of Cx43 imposes the heart rhythm. Biochem Soc Trans 2015, 43:476-81

Martins-Marques T, Catarino S, Zuzarte M, Marques C, Matafome P, Pereira P, Girão H. Ischemia-induced autophagy leads to degradation of gap junction protein Connexin43 in cardiomyocytes. Biochem J. 2015, 467(2):231-45

Martins-Marques T, Ribeiro-Rodrigues T, Pereira P, Codogno P, Girao H. Autophagy and Ubiquitination in Cardiovascular Diseases. DNA Cell Biol. 2015, 34(4):243-51

Balça-Silva J, Matias D, do Carmo A, Girão H, Moura-Neto V, Sarmento-Ribeiro AB, Lopes MC. Tamoxifen in combination with Temozolomide induce a synergistic inhibition of PKC-pan in GBM cell lines. Biochim Biophys Acta 2015, 1850:722-32

Lourenço LM, Iglesias BA, Pereira PM, Girão H, Fernandes R, Neves MG, Cavaleiro JA, Tomé JP. Synthesis, characterization and biomolecule-binding properties of novel tetra-platinum(ii)-thiopyridylporphyrins. Dalton Trans 2015, 44:530-8

Santos-Almeida FM, Girao H, Silva CA, Salgado HC Becari, Fazan R Jr. Cholinergic stimulation with pyridostigmine protects myocardial infarcted rats against ischemic-induced arrhythmias and preserves connexin 43 protein. Am J Physiol Heart Circ Physiol 2014, 308:H101-7

Ribeiro-Rodrigues T, Catarino S, Marques C, Ferreira J, Marques T, Pereira P, Girao H. AMSH-mediated deubiquitination of Cx43 regulates internalization and degradation of gap junctions, FASEB J 2014, 28:4629-41

Simões-Correia J, Silva DI, Melo S, Figueiredo J, Caldeira J, Pinto MT, Girão H, Pereira P, Seruca R. DNAJB4 molecular chaperone distinguishes WT from mutant E-cadherin, determining their fate in vitro and in vivo. Hum Mol Genet 2014, 23:2094-2105

T Rodrigues, C Marques, T Marques, P Matafome, P Pereira, LM Goncalves, H Girao. Ubiquitin induces interference in communication: ubiquitination of Cx43 leads to gap junction degradation in ischemic heart. Eur Heart J. 2013 34 (suppl 1), 1604

T Marques, C Marques, T Ribeiro-Rodrigues, P Matafome, P Pereira, LM Goncalves, H Girao. To beat or not to beat: detrimental autophagy contributes to gap junctions degradation in ischemic heart. Eur Heart J. 2013 34 (suppl 1), 775

Ferreira JV, Fofo H, Bejarano E, Figueira Bento C, Ramalho JS, Girao H, Pereira P. CHIP/STUB1 is required for HIF-1A degradation by Chaperone-Mediated Autophagy. Autophagy 2013,9:1349-1366.

Bejarano E*, Girao H*, Yuste A, Patel B, Marques C, Spray D, Cuervo AM, Pereira P. Autophagy modulates dynamics of connexins at the plasma membrane in an ubiquitin-dependent manner. Mol Biol Cell 2012, 23:2156-69

Catarino SM, Ramalho JS, Marques C, Pereira PC, Girao H. Ubiquitin-mediated internalization of Connexin43 is independent on the canonical endocytic tyrosine-sorting signal. Biochem J. 2011, 437:255-67.

Girão H, Catarino S and Pereira P. Eps15 interacts with ubiquitinated Cx43 and mediates its internalization. Exp Cell Res. 2009, 315:3587-3597.

Girao H, Geli MI, Idrissi FZ. Actin in the endocytic pathway: from yeast to mammals. FEBS Lett. 2008, 582:2112-9.