CURRICULUM VITAE

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Academic Degrees

Doctoral degree in Marine and Environmental Sciences, Specialization in Environmental Quality

Abel Salazar Institute of Biomedical Sciences from University of Porto

Date: 21st of June of 2016

Master Degree in Toxicology and Ecotoxicology

Department of Biology from University of Aveiro

Date: 17th of December of 2008

Graduation in Biology

Department of Biology from University of Aveiro

Date: 29th of June of 2007

Complementary training

Participation in the International Advanced Course on Marine and Ecological Risk Assessment of Oil and Other Chemical Spills (25 h)

Laboratory of Ecotoxicology, Institute of Biomedical Sciences Abel Salazar (ICBAS) form the University of Porto

Date: June of 2012

Research Professional Activities

Researcher with a Research Grant (BI) in the Project: NORTE-01-0145- FEDER-000036, with reference CORAL - Sustainable Ocean Exploitation: Tools and Sensors; reference CORAL/BI/2016_055.

Endocrine Disruptors and Emergent Contaminants Research Group (EDEC Lab) from CIIMAR - Interdisciplinary Centre of Marine and Environmental Research

Date: October 2016 to October 2017

Participation in a project as a Researcher

The Lophotrochozoan Ecdysone Receptor: long-lived disruption pathways? - Reference EXPL/MAR-EST/1540/2012.

Endocrine Disruptors and Emergent Contaminants Research Group (EDEC Lab) from CIIMAR - Interdisciplinary Centre of Marine and Environmental Research

Date: July 2013 to July 2014

Researcher with a Research Grant (BI) in the Project: The invertebrate repertoire of nuclear receptors: evolutionary and endocrine disruption insights - Reference PTDC-MAR-105199-2008-BI-2011-017.

Laboratory of Environmental Toxicology (LETox) from CIIMAR - Interdisciplinary Centre of Marine and Environmental Research

Date: September to December of 2011

Research Technician in the Project: The modulation of retinoic acid signaling pathways by environmental pollutants in teleosts - Reference PTDC/MAR/68106/2006/2010-019.

Laboratory of Environmental Toxicology (LETox) from CIIMAR - Interdisciplinary Centre of Marine and Environmental Research

Date: October 2010 to August 2011

Independent Professional as a Biologist

IDAD – Institute for Environment and Development from University of Aveiro

Work in the scope of the Water Framework Directive (WFD) that took place in Sabor River (North of Portugal).

Date: April to June of 2009

Publications

PhD Thesis

André A., 2016. Impact of endocrine disrupting chemicals in nuclear receptor signaling in marine organisms: Invertebrate insights. Abel Salazar Institute of Biomedical Sciences from University of Porto

Master Thesis

André A., 2008. Ensaio de bait-lamina em comunidades edáficas de uma área mineira. 52 pp. University of Aveiro

Articles in International reference journals

Ruivo R., Páscoa M.I., André A., Capitão A., Castro A.F., Castro L. F., Lopes-Marques M., Santos M.M. The Lophotrochozoan Ecdysone Receptor: old acquaintances, new environmental scenarios? Submitted.

Soares J., Neuparth T., Lyssimachou A., Lima D., André A., Reis-Henriques M.A., Castro L.F.C., Carvalho A.P., Monteiro N.M., Santos M.M., in press. 17α-ethynilestradiol and tributyltin mixtures modulate the expression of NER and p53 DNA repair pathways in male zebrafish gonads and disrupt offspring embryonic development. Ecological Indicators doi: 10.1016/j.ecolind.2017.04.054.

André A., Ruivo R., Capitão A., Froufe E., Páscoa I., Castro L.F.C., Santos M.M., 2017. Cloning and functional characterization of a retinoid X receptor orthologue in *Platynereis dumerilii*: An evolutionary and toxicological perspective. Chemosphere, 182, 753-761. doi: 10.1016/j.chemosphere.2017.05.064.

Gesto M., Ruivo R., Páscoa I., André A., Castro L.F., Santos M.M., 2016. Retinoid level dynamics during gonad recycling in the limpet *Patella vulgata*. Gen. Comp. Endocrinol., 225, 142-148. doi: 10.1016/j.ygcen.2015.10.017.

Lyssimachou A., Santos J.G., André A., Soares J., Lima D., Guimarães L., Almeida C.M., Teixeira C., Castro L.F., Santos M.M., 2015. The mammalian "obesogen" tributyltin targets

hepatic triglyceride accumulation and the transcriptional regulation of lipid metabolism in the liver and brain of zebrafish. PLoS One., 10 (12), e0143911. doi: 10.1371/journal.pone.0143911.

Lima D., Castro L.F., Coelho I., Lacerda R., Gesto M., Soares J., André A., Capela R., Torres T., Carvalho A.P., Santos M.M., 2015. Effects of tributyltin and other retinoid receptor agonists in reproductive-related endpoints in the zebrafish (*Danio rerio*). J. Toxicol. Environ. Health A., 78 (12), 747-760. doi: 10.1080/15287394.2015.1028301.

Coimbra A.M., Peixoto M.J., Coelho I., Lacerda R., Carvalho A.P., Gesto M., Lyssimachou A., Lima D., Soares J., André A., Capitão A., Castro L.F., Santos M.M., 2015. Chronic effects of clofibric acid in zebrafish (*Danio rerio*): a multigenerational study. Aquat. Toxicol., 160, 76-86. doi: 10.1016/j.aquatox.2015.01.013.

André A., Ruivo R., Gesto M., Castro L.F., Santos M.M., 2014. Retinoid metabolism in invertebrates: when evolution meets endocrine disruption. Gen. Comp. Endocrinol., 208, 134-145. doi: 10.1016/j.ygcen.2014.08.005.

Coelho I., Lima D., André A., Melo C., Ruivo, R., Reis-Henrique M.A., Santos M.M., Castro L.F.C., 2012. Molecular characterization of the Adh3 from the mollusk *Nucella lapillus*: tissue gene expression after tributyltin and retinol exposure. Journal of Molluscan studies, 78, 343-348.

André A., Antunes S.C., Gonçalves F., Pereira R., 2009. Bait-lamina assay as a tool to assess the effects of metal contamination in the feeding activity of soil invertebrates within a uranium mine area. Environ. Pollut., 2368-77. doi: 10.1016/j.envpol.2009.03.023.

Panel communications ("Scientific Posters")

Páscoa M.I., Marques M.L., André A., Castro L.F.C, Santos M.M., Ruivo R., 2014. The Lophotrocozoan Ecdysone Receptor: novel or illusive disruption pathways? 27th Conference of European Comparative Endocrinologists, Rennes (France) August 25-29, 2014.

André A, Castro L., Ruivo R., Santos M.M., 2014. Isolation of key retinoid signaling and metabolic modules in invertebrates. Front. Mar. Sci. Conference Abstract at IMMR: International Meeting on Marine Research 2014. doi: 10.3389/conf.FMARS.2014.02.00095.

Marques M.L., Santos M.M., André A., Reis-Henriques M.A., Castro L.F.C., 2012. The PPAR nuclear receptor in bilaterians: An evolutionary and functional approach. 26th Conference of European Comparative Endocrinologists (CECE) at the University of Zurich, Switzerland from 21-25 August 2012.

André A., Antunes S.C., Gonçalves F., Pereira R., 2009. Feeding activity of soil invertebrates (bait-lamina assay) in a uranium mining area: influence of season, depth, and assay duration. ISTA-14, 14th International Symposium on Toxicity Assessment. 31 of August- 4 of September, Metz, France.

Pereira R., Antunes S.C., Marques S.M., Silva Ferreira M. J., Marques C.R., Neves M.F., André A., Sousa J.P., Niemeyer J., Freitas A.C., Rocha-Santos T.A.P., Gonçalves F., 2008. Aplicação de modelos europeus de análise de risco de locais contaminados a uma mina de urânio abandonada. REF. 12R010A. Actas do CLME 2008/IICEM. A Engenharia no combate à pobreza, pelo desenvolvimento e competitividade. Ed. J.F. Silva Gomes, Carlos, C. António, Clito F. Afonso e António S. Matos. Edições INEGI, Porto, Portugal. Pp. 557-558.

Antunes S.C., Pereira R., Marques S.M., André A., Cuco A., Niemeyer J.C., Sousa J.P., Gonçalves F., 2007. Tier 1 of the Ecological Risk Assessment of an Abandoned Uranium Mine (Central Portugal). SETAC 2007 - Porto.

Antunes S.C., Pereira R., Marques S.M., André A., Cuco A., Gonçalves F., 2007. The integration of multiple bioassays in the screening of toxicity within a uranium mine area (Mangualde, Central Portugal). 5th International Congress of the European Society for Soil Conservation.