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Epigenetic alterations in the predisposition to and progression of melanoma

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LIST OF PUBLICATIONS

Interplay between *TERT* promoter mutations and methylation culminates in chromatin accessibility and *TERT* expression.

Salgado C, Roelse C, Nell R, Gruis N, van Doorn R, van der Velden P.
PLoS One. 2020 Apr 8;15(4):e0231418

Genome-wide characterization of 5-hydroxymethylcytosine in melanoma reveals major differences with nevus.

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Genome-wide analysis of constitutional DNA methylation in familial melanoma.

Salgado C, Gruis N, BIOS Consortium, Heijmans BT, Oosting J, van Doorn R. Clinical Epigenetics. 2020 Mar 6; 12(1):43.

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Poorly differentiated and undifferentiated thyroid carcinomas.

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Turk Patoloji Derg. 2015; 31 Suppl 1:48-59.

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ABOUT THE AUTHOR

Catarina Salgado was born in Porto, Portugal, on the 22nd of August 1989. In 2007 started her bachelor degree in Biology at University of Porto. In 2009-2010 her first internship was performed at Institute of Pathology and Immunology (Portugal) within a project related to familial amyloidotic polyneuropathy, a type of amyloidosis endemic of the north of Portugal. Afterwards, between 2010 and 2012 she followed a Master Degree in Molecular Oncology granted by University of Porto and Portuguese Institute of Oncology and developed the master's project on familial thyroid carcinoma entitled "Exome-Sequencing of a familial thyroid cancer: genetic and functional characterization" under supervision of Dr. Hugo Prazeres and Prof. Paula Soares. Alongside she also contributed to other oncobiology research projects in Soares lab, which led to her first scientific publications (Atlas Genet Cytogenet Oncol Haematol, 2014; J Clin Endocrinol Metab, 2014; Turk Patoloji Derg, 2015; Surgery, 2016) and the Everis Award 2015. In August 2015, she was accepted as a PhD fellow, supported by the prestigious Innovative Training Network grant program by the European Union and integrated in the MELGEN network, at the Leiden University Medical Center (The Netherlands) to where she moved in January 2016. Since then, under supervision of Dr. Remco van Doorn and Dr. Nelleke Gruis, she established several collaborations with specialists from different fields (genomics, cell biology, bioinformatics and medical oncologists), supervised a master student (Celine Roelse) and co-supervised a bachelor student (Casper Wenzel) and orally presented her research at several national and international scientific conferences. All different aims of the PhD project resulted in first-author publications in peer-review journals (Melanoma Res, 2019; Genes Chromosomes Cancer, 2020; Clin Epigenetics, 2020; PLoS One, 2020). She participated as a Board Member in the LUMC Association for PhD candidates (2017-2019) as well as a scientist member of two international organizations developing outreach activities for children (Native Scientist and Letters to a Pre-Scientist).

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