

Publicaciones:

- M. Angeles Rabadán, Susana Usieto, **Cinzia Lavarino**, Elisa Martí. Identification of a Putative Transcriptome Signature Common to Neuroblastoma and Neural Crest Cells. *Developmental Neurobiology Journal* 2013 (in press).
- Masvidal L, Iniesta R, Casalà C, Galván P, Rodríguez E, **Lavarino C**, Mora J, de Torres C. Polymorphisms in the calcium-sensing receptor gene are associated with clinical outcome of neuroblastoma. *PLoS One* 2013; 2013;8(3):e59762.
- Casalà C, Gil-Guiñón E, Ordóñez JL, Miguel-Queralt S, Rodríguez E, Galván P, **Lavarino C**, Munell F, de Alava E, Mora J, de Torres C. The calcium-sensing receptor is silenced by genetic and epigenetic mechanisms in unfavorable neuroblastomas and its reactivation induces ERK1/2-dependent apoptosis. *Carcinogenesis* 2013;34(2):268-76.
- Gemma Mayol, José I. Martín-Subero, José Ríos, Ana Queiros, Marta Kulis, Mariona Suñol, Manel Esteller, Soledad Gómez, Idoia Garcia, Carmen de Torres, Eva Rodríguez, Patricia Galván, Jaume Mora and **Cinzia Lavarino**. DNA hypomethylation affects cancer-related biological functions and genes relevant in neuroblastoma pathogenesis. *PLoS ONE* 2012; e48401.
- Idoia Garcia, Gemma Mayol, José Ríos, Gema Domenech, Nai-Kong V Cheung, André Oberthuer, Matthias Fischer, John M Maris, Garrett M. Brodeur, Barbara Hero, Eva Rodríguez, Mariona Suñol, Patricia Galvan, Carmen de Torres, Jaume Mora and **Cinzia Lavarino**. A three-gene expression signature model for risk stratification of patients with neuroblastoma. *Clinical Cancer Research* 2012;18:2012-2023.
- Morales La Madrid A, Volchenboum S, Gastier-Foster J, Liu D, Pytel P, **Lavarino C**, Rodríguez E, Cohn SL. Locoregional MYCN-amplified Neuroblastoma: Case report and Review of the Literature. *Pediatr Blood Cancer* 2012;59:736-738.
- Acosta S, Mayol G, Rodríguez E, **Lavarino C**, de Preter K, García I, de Torres C, Mora J. Identification of tumoral glial precursor cells in neuroblastoma. *Cancer Letters* 2011, 312:73-81.
- I Garcia, G Mayol, E Rodríguez, M Suñol, T Gershon, J Ríos, NK Cheung, C de Torres, J Mora, **C Lavarino**. Expression of the neuron-specific protein CHD5 is an independent marker of outcome in neuroblastoma. *Molecular Cancer* 2010, 9:277
- De Preter, J. Vermeulen, B. Brors, O. Delattre, A. Eggert, M. Fischer, I. Janoueix-Lerosey, **C. Lavarino**, John M. Maris, J. Mora, A. Nakagawara, A. Oberthuer, M. Ohira, G. Schleiermacher, A. Schramm, J. H. Schulte, Q. Wang, F. Westermann, F. Speleman, J. Vandesompele. Accurate outcome prediction in neuroblastoma across independent datasets using a multi-gene signature. *Clinical Cancer Research* 16(5): 1532-1541 (2010).
- **C. Lavarino**, N-K Cheung, C. de Torres, G. Domenech, I. García, M. Alaminos, J. Ríos, W.L. Gerald, B. Kushner, M. LaQuaglia and J. Mora. Specific gene expression profiles and chromosomal abnormalities are associated with infants disseminated neuroblastoma. *BMC Cancer* 9:44 (2009)
- Sandra Acosta, **Cinzia Lavarino**, Raquel Paris, Idoia Garcia, Carmen de Torres, Eva Rodriguez, Helena Beleta, Jaume Mora. Comprehensive characterization of neuroblastoma cell line subtypes reveals bilineage potential similar to neural crest stem cells. *BMC Developmental Biology* 9: 12 (2009).
- Carmen de Torres, Helena Beleta, Rubén Díaz, Núria Toran, Eva Rodríguez, **Cinzia Lavarino**, Idoia García, Sandra Acosta, Mariona Suñol, Jaume Mora. The calcium-sensing

receptor and parathyroid hormone-related protein (PTHrP) are expressed in differentiated, favorable neuroblastic tumors. *Cancer* 115(12): 2792-2803 (2009)

- **C Lavarino**, I Garcia, C Mackintosh, NK Cheung, G Domenech, J Ríos J, N Perez, E Rodríguez, C de Torres, WL Gerald, E Tuset, S Acosta, H Beleta, E de Alava, J Mora. Differential expression of genes mapping to recurrently abnormal chromosomal regions characterize neuroblastic tumours with distinct ploidy status. *BMC Medical Genomics* 1: 36 (2008)
- J. Mora, **C. Lavarino**, M. Alaminos, N-K Cheung, J. Ríos, C. de Torres, P. Illei, G. Juan and W.L. Gerald. Comprehensive analysis of tumoral DNA content reveals clonal ploidy heterogeneity as a marker with prognostic significance in locoregional neuroblastoma. *Genes, Chromosomes and Cancer* 46: 385-396 (2007)
- S. Coma, V. Noe, **C. Lavarino**, J. Adán, M. Rivas, M. López-Matas, R. Pagan, F. Mitjans, S. Vilaró, J. Piulats, C. Ciudad. Use of siRNAs and Antisense Oligonucleotides against survivin RNA to inhibit steps leading to tumor angiogenesis. *Oligonucleotides* 14: 100-113, 2004.
- S. Birindelli, F. Perrone, M. Oggionni, **C. Lavarino**, B. Pasini, B. Vergani, G.N. Ranzani, M.A. Pierotti, S. Pilotti: Rb and TP53 pathway alterations in sporadic and NF1-related malignant peripheral nerve sheath tumors MPNSTs). *Lab Invest* 81(6):833-844, 2001.
- E. Tamborini, G. Della Torre, **C. Lavarino**, A. Azzarelli, P. Carpinelli, M.A. Pierotti, S. Pilotti: Analysis of the molecular species generated by mdm2 gene amplification in liposarcomas. *International Journal of Cancer* 92: 790-796, 2001.
- **C. Lavarino**, S. Pilotti, M. Oggionni, M.A. Pierotti, G. Scambia, G. Ferrandina, A. Fagotti, C. Mangioni, V. Lucchini, G. Bolis, G. Scafaroni, L. Gatti, P. Perego, F. Zunino: P53 gene status and response to platinum/taxol-based chemotherapy in advanced ovarian carcinoma. *Journal of Clinical Oncology* 18(23): 3936-3945, 2000.
- S. Birindelli, A. Aiello, **C. Lavarino**, G. Sozzi, S. Pilotti, M.A. Pierotti: Genetic Markers in Sporadic Tumors in: Principles of Molecular Oncology. Ed. Humana Press, New Jersey. Chapter 3: p 45-93, 2000.
- S. Butó, M.A. Pierotti, E. Tamborini, G. Della Torre, **C. Lavarino**, F. Rilke, S. Pilotti: Biochemical uncovering of MDM2/P53 complexes in liposarcomas parallels their immunohistochemical detection. *Diagn Mol Path* 8(3): 125-130, 1999.
- S. Di Palma, V. Corletto, **C. Lavarino**, S. Birindelli, S. Pilotti: Unilateral aneuploid dedifferentiated acinic cell carcinoma associated with bilateral-low grade diploid acinic cell carcinoma of the parotid gland. *Virchows Arch* 434: 361-365, 1999.
- S. Di Palma, **C. Lavarino**, M. Oggionni, S. Pilotti: TP53 mutation in mucinous carcinoma of the breast. *Histopath* 34: 559-560, 1999.
- **C. Lavarino**, V. Corletto, A. Mezzelani, G. Della Torre, C. Bartoli, C. Riva, M.A. Pierotti, F. Rilke, S. Pilotti: Detection of TP53 mutation, loss of heterozygosity and DNA content in fine-needle aspirates of breast carcinoma. *British Journal of Cancer* 77 (1), 125-130, 1998.
- S. Pilotti, **C. Lavarino**, A. Mezzelani, G. Della Torre, F. Minoletti, G. Sozzi, A. Azzarelli, F. Rilke, M.A. Pierotti: Limited role of TP53 and TP53-related genes in myxoid liposarcoma. *Tumori* 84: 571-577, 1998.
- **C. Lavarino**, D. Delia, S. Di Palma, F. Zunino, S. Pilotti: p53 in drug resistance in ovarian cancer. *The Lancet* vol. 349, No. 9064: 1556, 1997.
- S. Pilotti, G. Della Torre, **C. Lavarino**, S. Di Palma, G. Sozzi, F. Minoletti, S. Rao, G. Pasquini, A. Azzarelli, F. Rilke, M.A. Pierotti: Distinct MDM2/P53 expression patterns in

liposarcoma subgroups: implications for different pathogenetic mechanisms. *Journal of Pathology*, vol 181:14-24, 1997.

- S. Andreola, E. Leo, F. Belli, **C. Lavarino**, S. Di Palma, G. Tomasic, R. Bufalino, F. Valvo, P. Navarra, F. Lombardi, M.T. Baldini: Distal intramural spread in adenocarcinoma of the lower third of the rectum treated with total rectal resection and coloanal anastomosis. *Diseases of the Colon & Rectum* 40: 25-29, 1997.
- S.C. Righetti, G. Della Torre, S. Pilotti, S. Menard, F. Ottone, M.I. Colnaghi, M.A. Pierotti, **C. Lavarino**, M. Cornarotti, S. Oriana, S. Bohm, G. Bresciani, F. Zunino: A comparative study of p53 gene mutations, protein accumulation and response to cisplatin-based chemotherapy in advanced ovarian carcinoma. *Cancer Research* 56, 689-693, 1996.
- E. Leo, F. Belli, S. Andreola, M.T. Baldini, G.F. Gallino, R. Giovinazzi, L. Mascheroni, R. Patuzzo, M. Vitellario, **C. Lavarino**, R. Bufalino: Total rectal resection, mesorectum excision, and coloendorectal anastomosis: a therapeutic option for the treatment of low rectal cancer. *Annals of Surgical Oncology*, 3 (4): 336-343, 1996.
- S. Andreola, E. Leo, F. Belli, G. Tomasic, R. Bufalino, **C. Lavarino**, M.T. Baldini, M. Meroni: Manual dissection of adenocarcinoma of the lower third of the rectum specimens for the detection of lymph node metastases smaller than 5mm. *Cancer* 77, 607-612, 1996.

Patentes:

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