



## CIBBIM - Nanomedicine Molecular Oncology

We are looking for highly motivated candidates with an outstanding academic record to apply for a [predoctoral position funded by the Catalan Government AGAUR](#) at the Vall d'Hebron Research Institute, Barcelona, Spain ([www.vhir.org/gr/nanomolecularoncology](http://www.vhir.org/gr/nanomolecularoncology)). The successful candidate will join the Group of Molecular Oncology. This is a very active group with a good publication record and located in a leading Spanish Research Institution.



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The field of research will be the identification of new molecular biomarkers of prognosis and response to treatment for colorectal cancer patients. The research plan will use in vitro systems, animal models and clinical sample collections. The successful candidate will use cutting-edge molecular/cell biology techniques.

### The candidates must:

- Have a Master's degree after January the 1st 2010.
- The average grade of the Bachelor's degree should be >2 (scale 1-4). Please, use these tables to calculate your grade whether it was obtained in [Europe](#) or [elsewhere](#).
- Be fluent in English language.

### We offer:

- Two year fellowship: a gross salary of 14.400,00 euros.
- Two year contract: a gross annual salary of 15.600,00 euros.
- Active and stimulating academic environment

**Contact:**

Please, contact Dr. Diego Arango before 10-September-2012 at [diego.arango@vhir.org](mailto:diego.arango@vhir.org)

**Publications:**

**Arango D**, Al-Obaidi S, Williams DS, Dopeso H, Mazzolini R, Corner G, Byun DS, Carr AA, Murone C, Tögel L, Zeps N, Aaltonen LA, Iacopetta B, Mariadason JM. Villin Expression Is Frequently Lost in Poorly Differentiated Colon Cancer. **Am J Pathol.** 2012 Feb 17. [Epub ahead of print]

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Alhopuro P, Phichith D, Tuupanen S, Sammalkorpi H, Nybondas M, Saharinen J, Robinson JP, Yang Z, Chen LQ, Orntoft T, Mecklin JP, Järvinen H, Eng C, Moeslein G, Shibata D, Houlston RS, Lucassen A, Tomlinson IPM, Launonen V, Ristimäki A, **Arango D**, Karhu A, Sweeney HL, and Aaltonen LA. Unregulated smooth muscle myosin in human intestinal neoplasia. **Proceedings of the National Academy of Sciences**, 2008; 105(14):5513-8. Epub 2008 Apr 7.

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Ropero S, Fraga MF, Ballestar E, Hamelin R, Yamamoto H, **Arango D**, Aaltonen LA, Schwartz S Jr, Esteller M. A truncating mutation of HDAC2 in human cancers confer resistance to histone deacetylase inhibition. **Nature Genetics**, 2006;38(5):566-9

Paroder V, Spencer SR, Paroder M, **Arango D**, Schwartz Jr S, Mariadason JM, Augenlicht LH, Eskandari S, and Carrasco N. Na<sup>+</sup>/monocarboxylate transport (SMCT) protein expression correlates with survival in colon cancer: Molecular characterization of SMCT. **Proceedings of the National Academy of Sciences**, 2006 May 9;103(19):7270-5

Alazzouzi H, Davalos V, Kokko A, Domingo E, Woerner SM, Wilson AJ, Konrad L, Laiho P, Espín E, Armengol M, Imai K, Yamamoto H, Mariadason JM, Gebert JF, Aaltonen LA, Schwartz S Jr., **Arango D**. Mechanisms of inactivation of the receptor tyrosine kinase EPHB2 in colorectal tumors. **Cancer Research**, 2005; 65(22):10170-3