



MINISTERIO  
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## **Predocctoral scientist position**

### **on “Stem Cells Aging”**

Applications are invited for a predoc position in the Stem Cells Aging Group, leading by Dr. Susana González, as a Junior PI, at **Spanish National Cardiovascular Research Center (CNIC), Madrid (SPAIN)**.

We are seeking highly motivated future scientists, with **an average grade of above 2,5 in his/her completed credits** (scale 1 to 4), with strong interests in molecular biology, mouse models, biochemistry, and/or cell biology. The scientific projects are aimed at studying the role of *Polycomb* members on the context of self-renewal, proliferation and aging of hematopoietic stem cells in vitro and in vivo. The position is available for a period of 3-4 years. Several projects build upon our recent publication:

-Herrera-Merchan A, Arranz L, Ligos JM, Dominguez O, de Molina A, Gonzalez S. (2012). Ectopic expression of the histone methyltransferase Ezh2 in hematopoietic stem cells causes myeloproliferative disease. *Nature Communications* (in press).

-Arranz L, Herrera-Merchán A, Ligos JM, Dominguez O, Molina A, Gonzalez S. (2012). Bmi1 is critical to prevent Ikaros-mediated lymphoid priming in hematopoietic stem cells. *Cell Cycle*, 11, 1 .

-Arranz L, Herrera-Merchan A, Gonzalez S. (2012). Therapeutic Polycomb targeting in human cancer. *Recent Patents on Regenerative Medicine*, 2 (in press).

-Herrera-Merchan A., Cerrato, C., Luengo, G., Dominguez, O., Piris, MA., Serrano, M. and Gonzalez, S. (2010). miR-33-mediated downregulation of p53 controls hematopoietic stem cell self-renewal. *Cell Cycle* Aug 15;9(16):3277-85.

The CNIC is a new interdisciplinary research center equipped with modern facilities and offers the opportunity to work with leading scientists in an international and team-oriented environment. Our goal is to encourage and promote the development of predoctoral careers by gaining professional research experience in a highly international scientific environment.

Interested candidates should have completed her/his bachelor degree in biochemistry, cellular biology, veterinary medicine, molecular biology, chemistry, medicine, or related fields of with excellent qualifications. The work is CNIC/Human Frontier Science Program Organization-funded and involves a broad range of whole-animal, cellular, and molecular techniques.

The successful candidate is expected to be highly motivated, creative, and capable of working in English. Salary and benefits will be commensurate with experience.

Interested applicants should forward a cover letter, curriculum vitae, and Bachelor's degree qualifications by e-mail to:

**Susana González, PhD**

**“Stem Cells Aging” Lab**

Regenerative Cardiology Dpt.

Spanish National Cardiovascular Research Center Carlos III

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