

## PREDOCTORAL POSITION IN IMMUNOLOGY & ONCOLOGY

The “Centro Nacional de Biotecnología” (CNB-CSIC), Madrid, Spain, has a predoctoral position available in the laboratory of Dr. Jesús M. Salvador. **We are dissecting the signaling pathways involved in development of autoimmunity and cancer using a multidisciplinary approach** that combines mouse genetic, human epigenetic, biochemical, molecular biological and immunological techniques. Our project involves the **generation and characterization of mouse models (knockout and knock-in), in vivo and in vitro analysis of T cell activation, proliferation, apoptosis and differentiation, and validation of these results in autoimmune disease and cancer patients.**

**DURATION:** 1-4 years renewable (2008-2012)

**START DATE:** Fall 2008

**LOCATION:** Dept. of Immunology & Oncology, Centro Nacional de Biotecnología (CNB-CSIC) , Lab 411, C/ Darwin n3, 28049 Madrid

**QUALIFICATIONS:**

-Applicants must have an excellent academic record and previous research experience

**Person to contact:** Dr. Jesús M Salvador, [jmsalvador@cnb.uam.es](mailto:jmsalvador@cnb.uam.es)

<http://www.cnb.uam.es/content/research/immunoncology/jmsalvador/index.php?!=1>

**Please submit:** cover letter,CV and two letters of reference

**Selected publications and patents:**

**Salvador, J. M.**, Mittelstadt, P. R., Guszczynski, T., Copeland, T. D., Yamaguchi, H., Appella, E., Fornace, A. J. Jr., and Ashwell, J. D.: Alternative p38 activation pathway mediated by T cell receptor-proximal tyrosine kinases. **Nat. Immunol. 6: 390-395, 2005.**

López-Santalla, M., Salvador-Bernáldez, M., García, M.I., Eiró, N., Kremer, L., Roncal, F., Martínez-A, C., **Salvador JM.** The alternative p38 activation pathway regulates T cell receptor activation but not the stress response. **J Exp Med 2007** (JEM ms#20070895).

**Salvador, J. M.**, Mittelstadt, P. R., Belova, G. I., Fornace, A. J., Jr., and Ashwell, J. D.: The autoimmune suppressor GADD45a inhibits the T cell alternative p38 activation pathway. **Nat. Immunol. 6: 396-402, 2005.**

**Salvador, J.M.**, Hollander, M.C., Nguyen, A., Kopp, J.B., Barisoni, L., Moore, J.K., Ashwell, J.D., and Fornace, A. J. Jr.: Mice lacking the p53-effector gene Gadd45a develop a lupus-like syndrome. **Immunity 16: 498-509, 2002.**

**PATENTS**

1- Patent application: **P200702770**

Entity: CSIC Priority date: November 2007

2- Patent Number: **WO2005/077983**

PCT Application # PCT/US2005/003379