

DIACYLGLYCEROL KINASES IN THE CONTROL OF IMMUNE RESPONSE AND CANCER PROGRESSION GROUP

DEPARTMENT OF IMMUNOLOGY AND ONCOLOGY

We are looking for highly motivated candidates with interest in immunology and cancer to develop a PhD in T lymphocyte biology and immunotherapy. Our group has a long-standing interest in decipher the molecular mechanisms that limit antitumor T cell responses and the development of new alternatives to circumvent this problem. We have helped to demonstrate that one of the main mechanisms that restricts antitumor T cell functions involves two members of the Diacylglycerol Kinase family of proteins. Failures to proper control these enzymes trigger an unbalance between Calcium and Diacylglycerol signals that ultimately drive T lymphocytes into hypo-responsive states. Fine-tuning of DAG-based signaling in T cells is critical to shape tumor immune surveillance. The candidate will participate in some of the ongoing laboratory projects that ultimately aim to fully unleash the potential of targeting these two kinases to reinvigorate the immune response to facilitate tumor destruction.

More information CNB web page:

[http://www.cnb.csic.es/index.php/es/investigacion/departamentos-de-investigacion/inmunologia-y-oncologia/role of diacylglycerol kinases in the control of immune response and cancer progression](http://www.cnb.csic.es/index.php/es/investigacion/departamentos-de-investigacion/inmunologia-y-oncologia/role%20of%20diacylglycerol%20kinases%20in%20the%20control%20of%20immune%20response%20and%20cancer%20progression)

Requirements:

Degree in Biomedical Sciences.

Master in Biomedical Sciences.

Previous experience in the immunology field will be valuable. Indispensable a good level of English. Competitive qualifications to applied for scholarships.