

Pre-Doctoral Position in Transplant Immunology

Bellvitge University Hospital Translational Transplantation Laboratory IDIBELL Barcelona University

A predoctoral fellow position is available in the group of Dr. Oriol Bestard at Bellvitge University Hospital, Translational Transplant Laboratory within the Laboratory of Experimental Nephrology (IDIBELL), to participate in research investigating B and T cell (humoral/cellular) immunity to human solid organ grafts. The research will primarily examine the function of alloreactive memory B and T cells in kidney transplant patients receiving different immunosuppressive agents and mechanisms of graft deterioration. Studies will use a wide range of methods including primary human cell culture, ELISA, ELISPOT, protein assays, molecular biology techniques as well as functional cell based assays. The study is fundamentally involved in a multicenter European clinical trial dealing with discovery and validation of non-invasive biomarkers or rejection and tolerance (EU-TRAIN). The applicant will also be involved in other collaborative projects dealing with autoreactive memory T and B-cell responses in the context of autoimmune kidney diseases.

The candidate should have some minimal practical background in a laboratory of Immunology and be familiar with basic immune assays such as ELISA or Flow-cytometry and knowledge about isolation and culture of immune cells are highly desirable. Furthermore, a degree for experimental animal manipulation will be highly appreciated.

The Laboratory of Transplantation and Experimental Nephrology is located at the Bellvitge campus of Barcelona University, within the Bellvitge University Hospital in Hospitalet de Llobregat, Barcelona.

Applicants should send a full CV, a one-page cover letter highlighting research interests and goals directly to the Principal Investigator: **obestard@bellvitgehospital.cat**