BIOGRAPHY EMMA REY-JURADO

My early motivation in Biology started at high school reading science magazines. This encourages me to study Biology at University Autonomous of Barcelona. Later, during my PhD studies at the University of Barcelona/Hospital Clinic of Barcelona my research was directed toward studying the virulence of drug-resistant *M. tuberculosis* and evaluating the drug activities against *M. tuberculosis* in a model of human macrophages. The aspect I really fascinated of that project was that my published papers had high impact on treatment for patients with Tuberculosis. Next, I was very interested in host-pathogens interactions, how pathogenic microorganisms interact with the host in Infectious Diseases. This is why I rotated at National Institute for Medical Research during my PhD, studying the interaction between M. tuberculosis and macrophages. I further studied those host-pathogen interactions at Public Health Research Institute, looking at the generation of lipid body inclusions in macrophages after *M. tuberculosis* infection. At that point, I became passionate about immune system and its interaction with pathogens. Therefore, during my postdoctoral training, I worked on elucidating the T cell response to respiratory viruses in context of infection and immunization at the Pontificia Universidad Católica de Chile, Immunology Lab. Such work was granted with a Postdoctoral CONICYT grant as a principal investigator. Here is where my passion for primary immunodeficiencies started; I recognized some patients with several viral infections could have a genetic deficiency in immune system. Then, I decided to move to the Immunogenetics and Translational Immunology Program at *Universidad del Desarrollo*. There I was granted with Latin American Society for Immunodeficiencies (LASID) fellowship, foundation that gives this award to 4 researchers in all Latin America. During last year, I worked on human genetics and susceptibility to infections, which provided me the required skills on human genetics including exome sequencing files analysis to identify genes-causing disease. Nowadays, I am Junior Professor at *Universidad del Desarrollo* working on research lines related with genetic susceptibility to infections and primary immunodeficiency disorders.