



## Magdiel Pérez Cruz

Postdoctoral Research Fellow, Bone Marrow Transplantation

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universidad De Barcelona (2012)
- Master of Science, Universidad De Barcelona (2009)
- Master of Science, University of Havana (2007)
- Bachelor of Science, University of Havana (2003)

#### STANFORD ADVISORS

- Everett Meyer, Postdoctoral Research Mentor
- Everett Meyer, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Cell-Based Assays for Modeling Xenogeneic Immune Responses.** *Methods in molecular biology (Clifton, N.J.)*  
Casos, K., Sommaggio, R., Perez-Cruz, M., Costa, C.  
2020; 2110: 99–113
- **Rat Model of Intra-articular Chondrocyte Xenotransplantation.** *Methods in molecular biology (Clifton, N.J.)*  
Marquina, M., Perez-Cruz, M., Costa, C.  
2020; 2110: 253–66
- **Blockade of TIM-1 on the donor graft ameliorates graft-versus-host disease following hematopoietic cell transplantation.** *Blood advances*  
Iliopoulou, B. P., Hsu, K., Pérez-Cruz, M., Tang, S. W., Pang, W. W., Erkers, T., Kambham, N., Freeman, G. J., Dekruyff, R. H., Meyer, E. H.  
2019; 3 (21): 3419–31
- **Optimization and characterization of calcium phosphate transfection in mesenchymal stem cells.** *Tissue engineering. Part C, Methods*  
Lo, C. W., Lin, T. H., Ueno, M., Romero-Lopez, M., Maruyama, M., Kohno, Y., Rhee, C., Yao, Z., Pérez-Cruz, M., Meyer, E., Goodman, S. B.  
2019
- **Cytokine profile associated with selective removal of natural anti-alpha Gal antibodies in a sepsis model in Gal-KO mice** *BIOCHEMISTRY-MOSCOW*  
Perez-Cruz, M., Bello-Gil, D., Costa, C., Manez, R.  
2017; 82 (2): 205-212
- **Interleukin-22 protects against non-typeable Haemophilus influenzae infection: alteration during chronic obstructive pulmonary disease** *MUCOSAL IMMUNOLOGY*  
Sharan, R., Perez-Cruz, M., Kervoaze, G., Gosset, P., Weynants, V., Godfroid, F., Hermand, P., Trottein, F., Pichavant, M., Gosset, P.  
2017; 10 (1): 139-149

- **Biodistribution and Immunogenicity of Allogeneic Mesenchymal Stem Cells in a Rat Model of Intraarticular Chondrocyte Xenotransplantation.** *Frontiers in immunology*  
Marquina, M., Collado, J. A., Pérez-Cruz, M., Fernández-Pernas, P., Fafián-Labora, J., Blanco, F. J., Máñez, R., Arufe, M. C., Costa, C.  
2017; 8: 1465
- **T cells expressing chimeric antigen receptor promote immune tolerance.** *JCI insight*  
Pierini, A., Iliopoulou, B. P., Peiris, H., Pérez-Cruz, M., Baker, J., Hsu, K., Gu, X., Zheng, P. P., Erkers, T., Tang, S. W., Strober, W., Alvarez, M., Ring, et al  
2017; 2 (20)
- **Pseudomonas aeruginosa proteolytically alters the interleukin 22-dependent lung mucosal defense.** *Virulence*  
Guillon, A., Brea, D., Morello, E., Tang, A., Jouan, Y., Ramphal, R., Korkmaz, B., Perez-Cruz, M., Trottein, F., O'Callaghan, R. J., Gosset, P., Si-Tahar, M.  
2016: 1-11
- **IL-22 Defect During Streptococcus pneumoniae Infection Triggers Exacerbation of Chronic Obstructive Pulmonary Disease.** *EBioMedicine*  
Pichavant, M., Sharan, R., Le Rouzic, O., Olivier, C., Hennegrave, F., Rémy, G., Pérez-Cruz, M., Koné, B., Gosset, P., Just, N., Gosset, P.  
2015; 2 (11): 1686-1696
- **Regulation of the Immune Response to a-Gal and Vector-borne Diseases.** *Trends in parasitology*  
Cabezas-Cruz, A., Mateos-Hernández, L., Pérez-Cruz, M., Valdés, J. J., Mera, I. G., Villar, M., de la Fuente, J.  
2015; 31 (10): 470-476
- **GENETIC ENGINEERING STRATEGIES TO PREVENT THE EFFECTS OF ANTIBODY AND COMPLEMENT ON XENOGENEIC CHONDROCYTES** *EUROPEAN CELLS & MATERIALS*  
Sommaggio, R., Bello-Gil, D., Perez-Cruz, M., Brokaw, J. L., Manez, R., Costa, C.  
2015; 30: 258-270
- **Divergence of the Response Induced by Xenogenic Immunization in the Sepsis Survival of Rats** *PLOS ONE*  
Perez-Cruz, M., Costa, C., Manez, R.  
2015; 10 (5)
- **Boosted Rat Neural Xenoantibodies Cross-React with Enterococcus faecalis by Targeting Melibiose and L-Rhamnose** *JOURNAL OF INNATE IMMUNITY*  
Perez-Cruz, M., Costa, C., Manez, R.  
2014; 6 (2): 140-151
- **Inhibition of complement component C5 protects porcine chondrocytes from xenogeneic rejection** *OSTEOARTHRITIS AND CARTILAGE*  
Sommaggio, R., Perez-Cruz, M., Brokaw, J. L., Manez, R., Costa, C.  
2013; 21 (12): 1958-1967
- **Cellular studies for in vitro modeling of xenogeneic immune responses.** *Methods in molecular biology (Clifton, N.J.)*  
Sommaggio, R., Pérez-Cruz, M., Costa, C.  
2012; 885: 91-103