



Cristina Gil Cruz

**Postdoctoral Fellow
scientist (post doc)
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Units

Institute of Immunobiology

Position

Postdoctoral Fellow

Profile Function

scientist (post doc)

Publications (35)

Onder L, Papadopoulou C, Lütge A, Cheng H, Lütge M, Pérez Shibayama C, Gil Cruz C, De Martin A, Kurz L, Cadosch N, Pikor N, Rodriguez R, Born D, Jochum W, Leskow P, Dutly A, Robinson M, Ludewig B. Fibroblastic reticular cells generate protective intratumoral T cell environments in lung cancer. *Cell* 2024

Cadosch N, Gil Cruz C, Pérez Shibayama C, Ludewig B. Cardiac Fibroblastic Niches in Homeostasis and Inflammation. *Circ Res* 2024; 134:1703-1717.

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Pérez Shibayama C, Gil Cruz C, Ludewig B. Fibroblasts tune myocardial inflammation and remodeling. *Nature Cardiovascular Research* 2022; 1:694-695.

Cheng H, Scandella E, Hehlhans T, Pérez Shibayama C, Gil Cruz C, Novkovic M, Onder L, Engetschwiler C, Lütge M, Mörbe U, Ludewig B. Intestinal fibroblastic reticular cell niches control innate lymphoid cell homeostasis and function. *Nat Commun* 2022; 13:2027.

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Prados A, Ludewig B, Koliaraki V, Pérez Shibayama C, Gil Cruz C, Lütge M, Mörbe U, Cheng H, Onder L, Kollias G. Fibroblastic reticular cell lineage convergence in Peyer's patches governs intestinal immunity. *Nat Immunol* 2021; 22:510-519.

Pérez Shibayama C, Gil Cruz C, Colston J, Novkovic M, De Martin A, Ring S, Onder L, Cheng H, Lütge M, Islander U, Ludewig B. Type I interferon signaling in fibroblastic reticular cells prevents exhaustive activation of antiviral CD8 T cells. *Sci Immunol* 2020; 5

Pikor N, Onder L, Linterman M, Nagasawa T, Nombela-Arrieta C, Cheng H, Novkovic M, Pérez Shibayama C, Gil Cruz C, Lütge M, Mörbe U, Ludewig B. Remodeling of light and dark zone follicular dendritic cells governs germinal center responses. *Nat Immunol* 2020; 21:649-659.

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Carreño J, Pérez Shibayama C, Gil Cruz C, López-Macías C, Vernazza P, Ludewig B, Albrich W. Evolution of Salmonella Typhi outer membrane protein-specific T and B cell responses in humans following oral Ty21a vaccination: A randomized clinical trial. *PLoS one* 2017; 12:e0178669.

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Carreño J, Gander B, López-Macías C, Tanoue Y, Chariatte D, Isibasi A, Pastelin R, Printz A, Gil Cruz C, Pérez Shibayama C, Ludewig B. PLGA-microencapsulation protects *Salmonella typhi* outer membrane proteins from acidic degradation and increases their mucosal immunogenicity. *Vaccine* 2016; 34:4263-9.

Cupovic J, Onder L, Gil Cruz C, Weiler E, Caviezel-Firner S, Pérez Shibayama C, Rüllicke T, Bechmann I, Ludewig B. Central Nervous System Stromal Cells Control Local CD8(+) T Cell Responses during Virus-Induced Neuroinflammation. *Immunity* 2016; 44:622-33.

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Bobat S, MacLennan I, Alexander J, Henderson I, López-Macías C, Dougan G, Chamberlain J, Chester R, Gaspal F, Letran S, Leyton D, Serre K, Gil Cruz C, Goodall M, Kingsley R, Marshall J, Hitchcock J, Flores-Langarica A, Cunningham A. Soluble flagellin, FlhC, induces an Ag-specific Th2 response, yet promotes T-bet-regulated Th1 clearance of *Salmonella typhimurium* infection. *Eur J Immunol* 2011; 41:1606-18.

Cervantes-Barragan L, Gil Cruz C, Pastelin-Palacios R, Lang K, Isibasi A, Ludewig B, López-Macías C. TLR2 and TLR4 signaling shapes specific antibody responses to *Salmonella typhi* antigens. *Eur J Immunol* 2009; 39:126-35.

Projects (7)

Selection and education of heart-specific Th cells by thymic and lymph node stromal cells

Fundamental Research - Apr 1, 2013 - Mar 31, 2016

Completed

Role CCR7-ligands in virus-induced chronic CNS inflammation and demyelination

Fundamental Research - Jan 1, 2013 - Dec 31, 2013

Completed

Imaging-based Systems Biology Analysis of Lymph Node Structure and Function in Viral Infection

Fundamental Research - Aug 1, 2012 - Jul 31, 2016

Automatically Closed

Systems immunological analysis of lymph node structure and function in viral infection

Fundamental Research - Aug 1, 2012 - Jul 31, 2016

Completed

Polyvalent vaccine against Salmonellosis

Fundamental Research - Nov 1, 2011 - Apr 30, 2013

Completed

Mechanisms of antibody-mediated protection against virus-induced inflammatory demyelination

Fundamental Research - Jul 1, 2011 - Jun 30, 2013

Completed

SARS: Ökologie und Pathogenese einer archetypischen Zoonose - Identifizierung und Charakterisierung von konservierten coronaviralen Pathogenitätsfaktoren

Fundamental Research - Jul 1, 2010 - Jun 30, 2013

Automatically Closed