



Cristina Gil Cruz

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Units

Institute of Immunobiology

Position

Postdoctoral Fellow

Profile Function

scientist (post doc)

Publications (33)

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

Pérez Shibayama C, Gil Cruz C, Cadosch N, Lütge M, Cheng H, De Martin A, Frischmann K, Joachimbauer A, Onder L, Papadopoulou I, Papadopoulou C, Ring S, Krebs P, Vu V, P. Nägele M, Rosi V, Parianos D, Zsilavec V, Cooper L, Flammer A, Ruschitzka F, Reiner P, Schmidt D, Ludewig B. Bone morphogenic protein-4 availability in the cardiac microenvironment controls inflammation and fibrosis in autoimmune myocarditis. *Nature Cardiovascular Research* 2024; volume 3:301-316.

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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.

Ring S, Spiegl M, Besse A, Bonilla W, Stemeseder F, Schmidt S, Orlinger K, Krebs P, Ludewig B, Wenger R, Hartmann F, Cupovic J, Onder L, Lütge M, Pérez Shibayama C, Gil Cruz C, Scandella E, De Martin A, Mörbe U, Flatz L. Viral vector-mediated reprogramming of the fibroblastic tumor stroma sustains curative melanoma treatment. *Nat Commun* 2021; 12:4734.

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Valero-Pacheco N, Klenerman P, Reyes-Sandoval A, Isibasi A, Pastelin-Palacios R, Sánchez-Torres L, Gil Cruz C, Pérez Shibayama C, Kurioka A, Wong-Baeza I, Pérez-Toledo M, Kemlo P, Aldapa-Vega G, Blight J, López-Macías C. Conservation of the OmpC Porin Among Typhoidal and Non-Typhoidal Serovars. *Front Immunol* 2020; 10:2966.

Zarak-Crnkovic M, Eriksson U, Klingel K, Lüscher T, Distler O, Ludewig B, Westermann D, Bachmann M, Gil Cruz C, Lindner D, Vdovenko D, Müller-Edenborn B, Czyż J, Wijnen W, Czepiel M, Jaźwa-Kusior A, Kania G, Błyszczuk P. Heart non-specific effector CD4 T cells protect from postinflammatory fibrosis and cardiac dysfunction in experimental autoimmune myocarditis. *Basic Res Cardiol* 2019; 115:6.

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Pérez Shibayama C, Gil Cruz C, Nussbacher M, Allgäuer E, Cervantes-Barragan L, Züst R, Ludewig B. Dendritic cell-specific delivery of Flt3L by coronavirus vectors secures induction of therapeutic antitumor immunity. *PLoS one* 2013; 8:e81442.

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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