



Dr. Christian Ivan Pérez Shibayama

Post Doctoral fellow

scientist (post doc)

Medizinisches Forschungszentrum · Management

Contact

Dr. Christian Ivan Pérez Shibayama

Rorschacherstrasse 95

9007 St. Gallen

Switzerland

T +41 71 494 7156

ChristianIvan.PerezShibayama@kssg.ch

Units

Medizinisches Forschungszentrum

Position

Post Doctoral fellow

Profile Function

scientist (post doc)

Publications (28)

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, 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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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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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.

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Gil Cruz C, Jahns R, Wyss M, Mooser C, Lambrecht B, Maeder M, Rickli H, Flatz L, Eriksson U, Geuking M, McCoy K, Boivin-Jahns V, Slack E, Arnoldini M, Pérez Shibayama C, De Martin A, Ronchi F, Van der Borcht K, Niederer R, Onder L, Lütge M, Novkovic M, Nindl V, Ramos G, Ludewig B. Microbiota-derived peptide mimics drive lethal inflammatory cardiomyopathy. *Science* 2019; 366:881-886.

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Pérez Shibayama C, Gil Cruz C, Ludewig B. Fibroblastic reticular cells at the nexus of innate and adaptive immune responses. *Immunol Rev* 2019; 289:31-41.

Fässler M, Jörger M, Recher M, Risch L, Güsewell S, Risch M, Speiser D, Ludewig B, Levesque M, Dummer R, Siano M, Krolik M, Diem S, Mangana J, Hasan Ali O, Berner F, Bomze D, Ring S, Niederer R, Gil Cruz C, Pérez Shibayama C, Flatz L. Antibodies as biomarker candidates for response and survival to checkpoint inhibitors in melanoma patients. *J Immunother Cancer* 2019; 7:50.

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Gil Cruz C, Scandella E, Ikuta K, Cui G, Abe S, McCoy K, Geuking M, Lang P, Novkovic M, Cheng H, Cupovic J, Chai Q, Onder L, Pérez Shibayama C, Ludewig B. Fibroblastic reticular cells regulate intestinal inflammation via IL-15-mediated control of group 1 ILCs. *Nat Immunol* 2016; 17:1388-1396.

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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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Projects (6)

Defining the origin of lymph node and Peyer's patch fibroblastic reticular cells at single cell resolution

Fundamental Research - Apr 1, 2016 - Mar 31, 2019

Automatically Closed

Impact of omental fibroblastic stromal cells on the induction of anti-bacterial immunity

Fundamental Research - Oct 1, 2015 - Sep 30, 2016

Automatically Closed

"Mechanisms of Evasive Resistance in Cancer (MERiC)"

Clinical Studies - Nov 1, 2014 - Nov 1, 2020

Automatically Closed

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

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

Completed

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