



Mechthild Lütge

Institute of Immunobiology · Interdisciplinary Medical Services

Contact

Mechthild Lütge
Switzerland

Units

Institute of Immunobiology

Publications (10)

Cheng H, Scandella E, Hehlhans T, Perez 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, Perez 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.

De Martin A, Lütge M, Stanossek Y, Engetschwiler C, Cupovic J, Brown K, Demmer I, Broglie M, Geuking M, Jochum W, McCoy K, Stoeckli S, Ludewig B. Distinct microbial communities colonize tonsillar squamous cell carcinoma. *Oncoimmunology* 2021; 10:1945202.

Cupovic J, Klenerman P, Engeler D, Krebs P, Scandella E, Oxenius A, Flatz L, Provine N, De Martin A, Cheng H, Lütge M, Colston J, Onder L, Ring S, Ludewig B. Adenovirus vector vaccination reprograms pulmonary fibroblastic niches to support protective inflating memory CD8 T cells. *Nat Immunol* 2021; 22:1042-1051.

Lütge M, Pikor N, Ludewig B. Differentiation and activation of fibroblastic reticular cells. *Immunol Rev* 2021; 302:32-46.

Prados A, Ludewig B, Koliaraki V, Perez 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.

Perez 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, Perez 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.

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, Perez Shibayama C, De Martin A, Ronchi F, Van der Borgh 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.

Cheng H, Hehlhans T, Rüllicke T, Pfeffer K, Sorg U, Tersteegen A, Miyazaki J, Robinson M, Scandella E, Pikor N, Lütge M, Sonesson C, Novkovic M, Onder L, Ludewig B. Origin and differentiation trajectories of fibroblastic reticular cells in the splenic white pulp. *Nat Commun* 2019; 10:1739.

Projects (3)

Stromal Cell Niches at the Nexus of the Innate Lymphoid Cell Interactome

Fundamental Research - Jan 1, 2019 - Dec 31, 2022

Automatically Closed

Deciphering the transcriptomic landscape of cancer-associated fibroblasts in pancreatic cancer / Oncological Research

Fundamental Research - Jan 1, 2019 - Dec 31, 2021

Automatically Closed

Deciphering the transcriptomic landscape of cancer-associated fibroblasts in pancreatic cancer – an exploratory clinical study

Fundamental Research - Jul 1, 2018 - Dec 31, 2018

Completed

Kantonsspital St.Gallen
Rorschacher Strasse 95
CH-9007 St.Gallen

T: +41 71 494 11 11

support.forschung@kssg.ch