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Bereiche

Medizinisches Forschungszentrum

Funktion

wissenschaftliche(r) Mitarbeiter/in

Publikationen (22)

Acton S, Onder L, Novkovic M, Martinez V, Ludewig B. Communication, construction, and fluid control: lymphoid organ fibroblastic reticular cell and conduit networks. *Trends Immunol* 2021; 42:782-794.

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

Cosgrove J, Uguzzioni M, Legler D, Lacey C, Coatesworth A, Polak W, Cupedo T, Manoury B, Thelen M, Stein J, Wolf M, Leake M, Timmis J, Ludewig B, Heller M, Venetz D, Taylor E, Novkovic M, Albrecht S, Pikor N, Zhou Z, Onder L, Mörbe U, Cupovic J, Miller H, Alden K, Thuery A, O'Toole P, Pinter R, Jarrett S, Coles M. B cell zone reticular cell microenvironments shape CXCL13 gradient formation. *Nat Commun* 2020; 11:3677.

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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 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, Hehligans T, Rülicke T, Pfeffer K, Sorg U, Tersteegen A, Miyazaki J, Robinson M, Scandella E, Pikor N, Lütge M, Soneson 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.

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Cheng H, Brutsche M, Jochum W, Schneider T, Rodriguez R, Tarantino I, Pikor N, Novkovic M, Bösch M, Cupovic J, Onder L, Ludewig B. CCL19-producing fibroblastic stromal cells restrain lung carcinoma growth by promoting local antitumor T-cell responses. *J Allergy Clin Immunol* 2018

Bösch M, Knauer M, Ruhstaller T, Jochum W, Gastl G, Sopper S, Mörbe U, Novkovic M, Cheng H, Onder L, Ludewig B. Interleukin 7-expressing fibroblasts promote breast cancer growth through sustenance of tumor cell stemness. *Oncoimmunology* 2018; 7:e1414129.

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Grebennikov D, van Loon R, Novkovic M, Onder L, Savinkov R, Sazonov I, Tretyakova R, J Watson D, Bocharov G. Critical Issues in Modelling Lymph Node Physiology. *Computation* 2016; 5:3.

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Ilić N, Novkovic M, Guida F, Xhindoli D, Benincasa M, Tossi A, Juretić D. Selective antimicrobial activity and mode of action of adepantins, glycine-rich peptide antibiotics based on anuran antimicrobial peptide sequences. *Biochim Biophys Acta* 2012; 1828:1004–1012.

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Projekte (4)

Systems biology approach to molecularly characterize the lung cancer microenvironment

Grundlagenforschung - 01.01.2013 - 31.12.2014

Abgeschlossen

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

Grundlagenforschung - 01.08.2012 - 31.07.2016

Abgeschlossen

Stromal Cell - Immune Cell Interactions in Health and Disease

Grundlagenforschung - 01.01.2012 - 31.01.2015

Abgeschlossen

Stroma Cell- Immune Cell Interactions in Health and Disease

Grundlagenforschung - 01.01.2012 - 31.12.2015

Abgeschlossen

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