



Fiamma Berner

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Units

Institute of Immunobiology

Publications (18)

Purde M, Cupovic J, Palmowski Y, Makky A, Schmidt S, Rochwarger A, Hartmann F, Stemeseder F, Lercher A, Abdou M, Bomze D, Besse L, Berner F, Tüting T, Hölzel M, Bergthaler A, Kochanek S, Ludewig B, Lauterbach H, Orlinger K, Bald T, Schietinger A, Schürch C, Ring S, Flatz L. A replicating LCMV-based vaccine for the treatment of solid tumors. *Mol Ther* 2023

Lichtensteiger C, Koblishke M, Berner F, Jochum A, Sinnberg T, Balciunaite B, Purde M, Walter V, Abdou M, Hofmeister K, Kohler P, Vernazza P, Albrich W, Kahlert C, Zoufaly A, Traugott M, Kern L, Pietsch U, Kleger G, Filipovic M, Kneilling M, Cozzio A, Pop O, Bomze D, Bergthaler A, Hasan A, Aberle J, Flatz L. Autoreactive T cells targeting type II pneumocyte antigens in COVID-19 convalescent patients. *J Autoimmun* 2023; 140:103118.

Berner F, Flatz L. Autoimmunity in immune checkpoint inhibitor-induced immune-related adverse events: A focus on autoimmune skin toxicity and pneumonitis. *Immunol Rev* 2023; 318:37-50.

Núñez N, Berner F, Friebel E, Unger S, Wyss N. Immune signatures predict development of autoimmune toxicity in patients with cancer treated with immune checkpoint inhibitors. *Med* 2023; 4:113-129.e7.

Berner F, Bomze D, Lichtensteiger C, Walter V, Niederer R, Hasan Ali O, Wyss N, Bauer J, Freudenmann L, Marcu A, Wolfschmitt E, Haen S, Gross T, Abdou M, Diem S, Knöpfli S, Sinnberg T, Hofmeister K, Cheng H, Toma M, Klümper N, Purde M, Pop O, Jochum A, Pascolo S, Jörgen M, Früh M, Jochum W, Rammensee H, Läubli H, Hölzel M, Neefjes J, Walz J, Flatz L. Autoreactive napsin A-specific T cells are enriched in lung tumors and inflammatory lung lesions during immune checkpoint blockade. *Sci Immunol* 2022; 7:eabn9644.

Klümper N, Saal J, Berner F, Lichtensteiger C, Wyss N, Heine A, Bauernfeind F, Ellinger J, Brossart P, Diem S, Schmid S, Jörgen M, Frueh M, Ritter M, Hölzel M, Flatz L, Bald T. C reactive protein flare predicts response to checkpoint inhibitor treatment in non-small cell lung cancer. *J Immunother Cancer* 2022; 10

Purde M, Niederer R, Wagner N, Diem S, Berner F, Hasan Ali O, Hillmann D, Bergamin I, Jörgen M, Risch M, Niederhauser C, Lenz T, Früh M, Risch L, Semela D, Flatz L. Presence of autoantibodies in serum does not impact the occurrence of immune checkpoint inhibitor-induced hepatitis in a prospective cohort of cancer patients. *J Cancer Res Clin Oncol* 2021; 148:647-656.

Berner F, Niederer R, Luimstra J, Pop O, Jochum A, Purde M, Hasan Ali O, Bomze D, Bauer J, Freudenmann L, Marcu A, Wolfschmitt E, Haen S, Gross T, Dubbelaar M, Abdou M, Baumgaertner P, Appenzeller C, Cicin-Sain C, Lenz T, Speiser D, Ludewig B, Driessen C, Jörgen M, Früh M, Jochum W, Cozzio A, Rammensee H, Walz J, Neefjes J, Flatz L. Keratinocyte differentiation antigen-specific T cells in immune checkpoint inhibitor-treated NSCLC patients are associated with improved survival. *Oncoimmunology* 2021; 10:2006893.

Bilich T, Flatz L, Held S, Brossart P, Märklin M, Wagner P, Erne E, Klein R, Rammensee H, Salih H, Berner F, Wacker M, Roerden M, Maringer Y, Nelde A, Heitmann J, Dubbelaar M, Peter A, Hörber S, Bauer J, Rieth J, Walz J. Preexisting and Post-COVID-19 Immune Responses to SARS-CoV-2 in Patients with Cancer. *Cancer Discov* 2021; 11:1982-1995.

Hasan Ali O, Hundsberger T, Diem S, Müller S, Pop O, Markert E, Müller J, Moulin A, Ring S, Ackermann C, Berner F, Flatz L. Fingolimod and tumor-infiltrating lymphocytes in checkpoint-inhibitor treated cancer patients. *Cancer Immunol Immunother* 2020; 70:563-568.

Berner F, Bomze D, Flatz L. Immune-Related Adverse Events of Immune Checkpoint Inhibitors-From a Clinical to Pathophysiological View-In Reply. *JAMA Oncol* 2019

Hasan Ali O, Sadik C, Zillikens D, Schmidt E, Jochum W, Mani B, Cozzio A, Braun A, Emtenani S, Hammers C, Abdou M, Diem S, Fässler M, Berner F, Ring S, Bomze D, Flatz L. BP180-specific IgG is associated with skin adverse events, therapy response, and overall survival in non-small cell lung cancer patients treated with checkpoint inhibitors. *J Am Acad Dermatol* 2019; 82:854–861.

Berner F, Hartmann F, Cheng H, Hönger G, Recher M, Goldman J, Cozzio A, Früh M, Neefjes J, Driessen C, Ludewig B, Hegazy A, Jochum W, Speiser D, Zippelius A, Läubli H, Bomze D, Diem S, Ali O, Fässler M, Ring S, Niederer R, Ackermann C, Baumgaertner P, Pikor N, Cruz C, van de Veen W, Akdis M, Nikolaev S, Flatz L. Association of Checkpoint Inhibitor-Induced Toxic Effects With Shared Cancer and Tissue Antigens in Non-Small Cell Lung Cancer. *JAMA Oncol* 2019; 5:1043–1047.

Diem S, Risch M, Recher M, Risch L, Dummer R, Levesque M, Mangana J, Hillmann D, Niederer R, Berner F, Ali O, Bomze D, Fässler M, Flatz L. Immunoglobulin G and Subclasses as Potential Biomarkers in Metastatic Melanoma Patients Starting Checkpoint Inhibitor Treatment. *J Immunother* 2019; 42:89–93.

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, Perez Shibayama C, Flatz L. Antibodies as biomarker candidates for response and survival to checkpoint inhibitors in melanoma patients. *J Immunother Cancer* 2019; 7:50.

Trefny M, Savic S, Jermann P, Alborelli I, Schaub S, Stenner F, Früh M, Trajanoski Z, Flatz L, Mertz K, Zippelius A, Geier F, Thommen D, Rothschild S, Uhlenbrock F, Rieder D, Kasenda B, Stanczak M, Berner F, Kashyap A, Kaiser M, Herzig P, Poechtrager S, Läubli H. A Variant of a Killer Cell Immunoglobulin-like Receptor Is Associated with Resistance to PD-1 Blockade in Lung Cancer. *Clin Cancer Res* 2019; 25:3026–3034.

Hasan Ali O, Lenz T, Driessen C, Früh M, Jörger M, Cozzio A, Diem S, Fässler M, Bomze D, Berner F, Flatz L. Human leukocyte antigen variation is associated with adverse events of checkpoint inhibitors. *Eur J Cancer* 2018; 107:8–14.

Diem S, Früh M, Güsewell S, Schmid S, Ackermann C, Roux G, Berner F, Niederer R, Siano M, Ali O, Fässler M, Flatz L. Risk score for non-small cell lung cancer patients starting checkpoint inhibitor treatment. *Cancer Manag Res* 2018; 10:5537–5544.

Projects (1)

Vaccine and immunotherapy induced CD8+ T cell responses against auto-, neo- and foreign antigens

Fundamental Research - Jan 1, 2016 - Dec 31, 2019

Automatically Closed

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