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Bereiche

Medizinische Onkologie und Hämatologie

Publikationen (20)

Besse A, Sedlarikova L, Büchler L, Kraus M, Yang C, Strakova N, Soucek K, Navratil J, Svoboda M, Welm A, Jörger M, Driessen C, Besse L. HIV-protease inhibitors potentiate the activity of carfilzomib in triple-negative breast cancer. Br J Cancer 2024

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Ferguson I, Patiño-Escobar B, Tuomivaara S, Lin Y, Nix M, Leung K, Kasap C, Ramos E, Nieves Vasquez W, Talbot A, Hale M, Naik A, Kishishita A, Choudhry P, Lopez-Girona A, Miao W, Wong S, Wolf J, Martin T, Shah N, Vandenberg S, Prakash S, Besse L, Driessen C, Posey A, Mullins R, Eyquem J, Wells J, Wiita A. The surfaceome of multiple myeloma cells suggests potential immunotherapeutic strategies and protein markers of drug resistance. Nat Commun 2022; 13:4121.

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Bolomsky A, Caers J, Hübl W, Schreder M, Zojer N, Driessen C, Tang J, Besse L, Heckman C, Kubicek S, Hannich J, Miettinen J, Malyutina A, Besse A, Huber J, Fellinger S, Breid H, Parsons A, Klavins K, Ludwig H. Heterogeneous modulation of Bcl-2 family members and drug efflux mediate MCL-1 inhibitor resistance in multiple myeloma. Blood Adv 2021; 5:4125-4139.

Besse L, Besse A, Kraus M, Maurits E, Overkleeft H, Bornhauser B, Bourquin J, Driessen C. High Immunoproteasome Activity and sXBP1 in Pediatric Precursor B-ALL Predicts Sensitivity towards Proteasome Inhibitors. Cells 2021; 10

Besse L, Pilon M, Farhan H, Vulpe C, Overkleeft H, Driessen C, Ståhlman M, Huber J, Bolomsky A, Ludwig H, Hannich J, Loguinov A, Everts B, Berkers C, Besse A, Borén J, Florea B, Sathianathan M, Stolze S, Sobh A, Zaal E, van der Ham A, Ruiz M, Phuyal S, Büchler L. Treatment with HIV-Protease Inhibitor Nelfinavir Identifies Membrane Lipid Composition and Fluidity as a Therapeutic Target in Advanced Multiple Myeloma. Cancer Res 2021; 81:4581-4593.

Byrgazov K, Besse A, Kraus M, Slipicevic A, Lehmann F, Driessen C, Besse L. Novel Peptide-drug Conjugate Melflufen Efficiently Eradicates Bortezomib-resistant Multiple Myeloma Cells Including Tumor-initiating Myeloma Progenitor Cells. Hemasphere 2021; 5:e602.

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Vrabel D, Sevcikova S, Pour L, Stork M, Sandecka V, Jelinek T, Plonkova H, Jarkovsky J, Brožová L, Kubaczkova V, Almasi M, Bezdekova R, Rihova L, Besse L, Sedlarikova L, Hájek R. Dynamics of tumor-specific cfDNA in response to therapy in multiple myeloma patients. Eur J Haematol 2019

Hitz F, Driessen C, Mey U, Samaras P, Vilei S, Stüdeli S, Rondeau S, Seipel K, Novak U, Silzle T, Besse L, Hess D, Pabst T, Kraus M, Swiss Group for Clinical Cancer Research SAKK. Nelfinavir and lenalidomide/dexamethasone in patients with lenalidomide-refractory multiple myeloma. A phase I/II Trial (SAKK 39/10). Blood Cancer J 2019; 9:70.

Driessen C, Pabst T, Hitz F, Hawle H, Rondeau S, Berset C, Besse A, Besse L, Ribi K, Samaras P, Mey U, Rüfer A, Mach N, Betticher D, Cantoni N, Novak U, Müller R, Zander T. Promising activity of nelfinavir-bortezomib-dexamethasone (NeVd) in proteasome inhibitor-refractory multiple myeloma. Blood 2018

Krupkova O, Cambria E, Besse L, Besse A, Bowles R, Wuertz-Kozak K. The potential of CRISPR/Cas9 genome editing for the study and treatment of intervertebral disc pathologies. JOR Spine 2018; 1:e1003.

Abt D, Driessen C, Engeler D, Schmid H, Slaby O, Vodinska M, Silzle T, Bader J, Kraus M, Sedlarikova L, Besse A, Besse L. Improving the efficacy of proteasome inhibitors in the treatment of renal cell carcinoma by combination with the human immunodeficiency virus (HIV)-protease inhibitors lopinavir or nelfinavir. BJU Int 2017

Besse L, Kraus M, Besse A, Bader J, Silzle T, Mehrling T, Driessen C. The first-in-class alkylating HDAC inhibitor EDO-S101 is highly synergistic with proteasome inhibition against multiple myeloma through activation of multiple pathways. Blood Cancer J 2017; 7:e589.

Besse A, Besse L, Overkleeft H, Bader J, Kraus M, Morgan G, Weinhold N, Rasche L, Stolze S, Driessen C. Carfilzomib resistance due to ABCB1/MDR1 overexpression is overcome by nelfinavir and lopinavir in multiple myeloma. Leukemia 2017; 32:391-401.

Kraus J, Kraus M, Liu N, Besse L, Bader J, Geurink P, de Bruin G, Kisselev A, Overkleeft H, Driessen C. The novel β2-selective proteasome inhibitor LU-102 decreases phosphorylation of I kappa B and induces highly synergistic cytotoxicity in combination with ibrutinib in multiple myeloma cells. Cancer Chemother Pharmacol 2015; 76:383-96.

Projekte (12)

Targeting des Immunoproteasoms in vivo

Grundlagenforschung - 01.08.2023 - 31.12.2023

Automatisch geschlossen

Genetic contributors of multiple myeloma cells involved in their homing and escape from T-cell recognition

Grundlagenforschung - 01.07.2022 - 30.06.2023

Automatisch geschlossen

ALK-Inhibitoren als potentielle Therapie bei Proteasom-Inhibitor-resistentem Multiplen Myelom

Grundlagenforschung - 01.10.2021 - 30.09.2023

Automatisch geschlossen

Immunoproteasome activity as a predictive marker and therapeutic target in hematological malignancies

Grundlagenforschung - 01.07.2021 - 31.12.2021

Automatisch geschlossen

Towards identification of novel therapeutic targets: Assessment of proteasome-related alterations in MM patients' datasets

Grundlagenforschung - 01.01.2021 - 31.12.2021

Automatisch geschlossen

The molecular landscape of proteasome inhibitor resistance of multiple myeloma in vivo

Grundlagenforschung - 01.07.2020 - 31.12.2023

Automatisch geschlossen

Revealing molecular basis of cardiotoxicity of carfilzomib towards its safer use in the patients with multiple myeloma

Grundlagenforschung - 01.03.2020 - 28.02.2021

Automatisch geschlossen

The „seed and soil"-based pathogenesis of proteasome inhibitor resistance in multiple myeloma

Grundlagenforschung - 01.01.2019 - 31.12.2019

Automatisch geschlossen

Identifying and targeting the "Achilles' heel" in proteasome inhibitor-resistant multiple myeloma

Grundlagenforschung - 01.10.2018 - 31.12.2021

Automatisch geschlossen

Preclinical investigation of cardiotoxicity as a clinically important side effect of proteasome inhibitor-based therapy

Grundlagenforschung - 01.07.2017 - 30.06.2018

Automatisch geschlossen

HIV-Proteaseinhibitoren als Basis für Krebstherapie: Verständnis des Mechanismus, Identifikation der Targets, Entwicklung wirksamerer Substanzen

Grundlagenforschung - 01.11.2016 - 31.10.2018

Automatisch geschlossen

Proteasominhibitor-resistentes Multiples Myelom: Biologie und Therapieoptionen

Grundlagenforschung - 05.01.2015 - 31.12.2015

Automatisch geschlossen

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