

Publications

May L, Chu CF, Zielinski CE (2024) Single-cell RNA sequencing reveals HIF1A as a severity-sensitive immunological scar in circulating monocytes of convalescent comorbidity-free COVID-19 patients. *Cells* 13(4), 300.

Chao YY, Puhach A, Frieser D, Arunkumar M, Lehner L, Seeholzer T, Garcia-Lopez A, van der Wal M, Fibi-Smetana S, Dietschmann A, Sommermann T, Ćiković T, Taher L, Gresnigt MS, Vastert SJ, van Wijk F, Panagiotou G, Krappmann D, Groß O, Zielinski CE (2023) Human TH17 cells engage gasdermin E pores to release IL-1 α on NLRP3 inflammasome activation. *Nat Immunol* 24(2), 295-308.

Meiser P, Knolle MA, Hirschberger A, de Almeida GP, Bayerl F, Lacher S, Pedde AM, Flommersfeld S, Hönninger J, Stark L, Stögbauer F, Anton M, Wirth M, Wohlleber D, Steiger K, Buchholz VR, Wollenberg B, Zielinski CE, Braren R, Rueckert D, Knolle PA, Kaissis G, Böttcher JP (2023) A distinct stimulatory cDC1 subpopulation amplifies CD8⁺ T cell responses in tumors for protective anti-cancer immunity. *Cancer Cell* 41(8), 1498-1515.

Soll D, Arunkumar M, Alkhalaf M, Sun S, Nguyen T, Chu C, Lutz V, Schäuble S, Garcia-Ribelles I, Mueller M, Michalke B, Panagiotou G, Schatzlmaier P, Stockinger H, Schamel W, Huber M, Zielinski C (2023) Sodium chloride in the tumor microenvironment enhances T-cell metabolic fitness and cytotoxicity. *BioRxiv* [Preprint]

Zielinski CE (2023) T helper cell subsets: diversification of the field. *Eur J Immunol* 53(12), e2250218. (Review)

de Almeida GP, Lichtner P, Eckstein G, Brinkschmidt T, Chu CF, Sun S, Reinhard J, Mädler SC, Kloeppel M, Verbeek M, Zielinski CE (2022) Human skin-resident host T cells can persist long term after allogeneic stem cell transplantation and maintain recirculation potential. *Sci Immunol* 7(67), eabe2634.

Haunhorst S, Bloch W, Javelle F, Krüger K, Baumgart S, Drube S, Lemhöfer C, Reuken P, Stallmach A, Müller M, Zielinski CE, Pletz MW, Gabriel HHW, Puta C (2022) A scoping review of regulatory T cell dynamics in convalescent COVID-19 patients – indications for their potential involvement in the development of Long COVID? *Front Immunol* 13, 1070994. (Review)

Sary G, Fabri M, Gebhardt C, Eming R, Matthias J, Vorobyev A, Effern M, Strobl J, Günther C, Zielinski C, Dudziak D, Géraud C, Raker V, Butze M, Zhao F, Wang Y, Gerloff D, Bertschi NL, Gaffal E, Buhl T (2022) Meeting Report: 47th Annual Meeting of the "Arbeitsgemeinschaft Dermatologische Forschung". *Exp Dermatol* 31(10), 1641-1651. (Review)

Yin H, Karayel O, Chao YY, Seeholzer T, Hamp I, Plettenburg O, Gehring T, Zielinski C, Mann M, Krappmann D (2022) A20 and ABIN-1 cooperate in balancing CBM complex-triggered NF- κ B signaling in activated T cells. *Cell Mol Life Sci* 79(2), 112.

Arunkumar M, Zielinski CE (2021) T-Cell receptor repertoire analysis with computational tools-an immunologist's perspective. *Cells* 10(12), 3582. (Review)

Chu CF, Sabath F, Fibi-Smetana S, Sun S, Öllinger R, Noeßner E, Chao YY, Rinke L, Winheim E, Rad R, Krug AB, Taher L, Zielinski CE (2021) Convalescent COVID-19 patients without comorbidities display similar immunophenotypes over time despite divergent disease severities.

Front Immunol 12, 601080.

Zielinski CE (2021) Regulation of T cell responses by ionic salt signals. *Cells* 10(9), 2365.
(Review)

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