

# Prof. Dr. Christine Skerka

Alumni

## Publikationen

Busch C, Rau S, Sekulic A, Perie L, Huber C, Gehrke M, Joussen AM, Zipfel PF, Wildner G, Skerka C, Strauß O (2023) Increased plasma level of terminal complement complex in AMD patients: potential functional consequences for RPE cells. *Front Immunol* 14, 1200725.

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Halder LD, Babych S, Palme DI, Mansouri-Ghahnavieh E, Ivanov L, Ashonibare V, Langenhorst D, Prusty B, Rambach G, Wich M, Trinks N, Blango MG, Kornitzer D, Terpitz U, Speth C, Jungnickel B, Beyersdorf N, Zipfel PF, Brakhage AA, Skerka C (2022) *Candida albicans* induces cross-kingdom miRNA trafficking in human monocytes to promote fungal growth. *mBio* 13(1), e0356321.

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Shahraz A, Lin Y, Mbroh J, Winkler J, Liao H, Lackmann M, Bungartz A, Zipfel PF, Skerka C, Neumann H (2022) Low molecular weight polysialic acid binds to properdin and reduces the activity of the alternative complement pathway. *Sci Rep* 12(1), 5818.

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Stea ED, Skerka C, Accetturo M, Pesce F, Wiech T, Hartmann A, Pontrelli P, Castellano G, Zipfel PF, Gesualdo L (2022) Novel FHR2 variants in atypical haemolytic uremic syndrome: a case study of translational medicine approach in renal transplantation. *Front Immunol* 13, 1008294.

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Zipfel PF, Skerka C (2022) From magic bullets to modern therapeutics: Paul Ehrlich, the German immunobiologist and physician who coined the term 'Complement'. *Mol Immunol* 150, 90-98. (Review)

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Dasari P, Nordengrün M, Vilhena C, Steil L, Abdurrahman G, Surmann K, Dhople V, Lahrberg J, Bachert C, Skerka C, Völker U, Bröker BM, Zipfel PF (2021) The protease SplB of *Staphylococcus aureus* targets host complement components and inhibits complement-mediated bacterial opsonophagocytosis. *J Bacteriol* 204(1), e0018421.

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Du S, Vilhena C, King S, Sahagún-Ruiz A, Hammerschmidt S, Skerka C, Zipfel PF (2021) Molecular analyses identifies new domains and structural differences among *Streptococcus pneumoniae* immune evasion proteins PspC and Hic. *Sci Rep* 11(1), 1701.

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Irmscher S, Zipfel SLH, Halder LD, Ivanov L, Gonzalez-Delgado A, Waldeyer C, Seiffert M, Brunner FJ, von der Heide M, Löschmann I, Wulf S, Czamara D, Papac-Milicevic N, Strauß O, Lorkowski S, Reichenspurner H, Holers MV, Banda NK, Zeller T, Binder EB, Binder CJ, Wiech T, Zipfel PF, Skerka C (2021) Factor H-related protein 1 (FHR-1) is associated with atherosclerotic cardiovascular disease. *Sci Rep* 11(1), 22511.

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Zipfel PF , Wiech T, Gröne HJ, Skerka C (2021) Complement catalyzing glomerular diseases. *Cell Tissue Res* 385(2), 355-370. (Review)

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Alic L, Papac-Milicevic N, Czamara D, Rudnick RB, Ozsvar-Kozma M, Hartmann A, Gurbisz M, Hoermann G, Haslinger-Hutter S, Zipfel PF, Skerka C, Binder EB, Binder CJ (2020) A genome-wide association study identifies key modulators of complement factor h binding to malondialdehyde-epitopes. *Proc Nat Acad Sci USA* 117(18), 9942-9951.

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- **1**
- [2](#)
- [3](#)
- [4](#)
- [5](#)
- [6](#)
- [7](#)
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