



Prof. Dr. Peter F. Zipfel

[Infection Biology · Head](#) [International Leibniz Research School · Speaker](#) +49 3641 532-1301 peter.zipfel@leibniz-hki.de

Curriculum vitae

Main Research Areas

- Immune escape of human pathogenic micro-organisms
- Infection-associated function of the complement system
- Genetic susceptibility for infections

Professional Career

Since 2000	Professor for infection biology, Friedrich-Schiller-University Jena (FSU Jena)
Since 2000	Head of the department infection biology, Leibniz-Institute for Natural Product Research and Infection Biology – Hans-Knöll-Institute Jena
1999	Nontenured professor, University Hamburg
1993	Habilitation in immunology and molecular biology, University Hamburg
1989-2000	Group head at the Bernhard-Nocht-Institute for tropical medicine Hamburg
1989	Visiting associate, Laboratory of Immunoregulation, National Institutes of Health, Bethesda, Maryland, USA
1985-1988	Postdoc, Laboratory of Immunoregulation, National Institutes of Health, Bethesda, Maryland, USA, funded by the German Academic Exchange Service (DAAD)
1984	PhD as Dr. rer. nat., University Bremen
1980-1985	Research assistant, University Bremen
1980	Diploma in biology, University Bremen

Awards · Appointments · Scientific Activities

Since 2009	Member at the editorial board of molecular immunology, frontiers in innate immunity
2009	Excellence award from the Deutsche Gesellschaft für Hygiene und Mikrobiologie
Since 2008	Representative of the graduate school <i>International Leibniz Research School for Microbial and Biomolecular Interactions</i> (ILRS)
2008	EFIS lecture award of the European Federation of Immunological Societies
Since 2007	Principal investigator of the excellence graduate school <i>Jena School for Microbial Communication</i> (JSMC)
2007	Heinz Spitzbart award of the European Society for Infectious Diseases in Obstetrics and Gynaecology (ESIDOG)
Since 2006	Principal investigator of the graduate school <i>International Leibniz Research School for Microbial and Biomolecular Interactions</i> (ILRS)
2007-2011	President of the European Complement Network
2005 – 2012	Board member of the European Complement Network
2004	Thuringian research award
Since 2002	Deputy Director of the Leibniz-Institute for

Since 2000
1999-2001

Natural Product Research and Infection Biology
– Hans-Knöll-Institute Jena
Project leader for infection biology, L2
Member at the editorial board of experimental
and clinical immunology, thrombosis and
haemostasis, section editor molecular
immunology
Member of the European Working Party on the
Genetics of Complement mediated Kidney
Diseases, Deutsche Gesellschaft für Hygiene
und Mikrobiologie (DGHM), Deutsche
Gesellschaft für Immunologie, Gesellschaft für
Genetik, Gesellschaft für Nephrologie

Publications

Battista M, Hoffmann B, Bachelot Y, Zimmermann L, Teuber L, Jost A, Linde S, Westermann M, Müller MM, Slevogt H, Hammerschmidt S, Figge MT, Vilhena C^{*#}, Zipfel PF^{*#} (2023) The role of pneumococcal extracellular vesicles on the pathophysiology of the kidney disease hemolytic uremic syndrome. *mSphere* 8(4), e0014223.

[Details](#)



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.

[Details](#)



Daud M, Dasari P, Adelfinger M, Langenhorst D, Lothar J, Slavkovic-Lukic D, Berges C, Kruhm M, Galler A, Schleussner C, Luther CH, Alberter K, Althammer A, Shaikh H, Pallmann N, Bodem J, El-Mowafy M, Beilhack A, Dittrich M, Topp MS, Zipfel PF, Beyersdorf N (2023) Enolase 1 of *Candida albicans* binds human CD4+ T cells and modulates naïve and memory responses. *Eur J Immunol* 53(11), e2250284.

[Details](#)



Langenhorst D, Fürst AL, Alberter K, Vilhena C, Dasari P, Daud M, Heilig L, Luther CH, Dittrich M, Reiher N, Wich M, Elmowafy M, Jacobsen ID, Jungnickel B, Zipfel PF^{*}, Beyersdorf N^{*#} (2023) Soluble enolase 1 of *Candida albicans* and *Aspergillus fumigatus* stimulates human and mouse B cells and monocytes. *J Immunol* 211(5), 804-815.

[Details](#)



Lin L, Wang M, Zeng J, Mao Y, Qin R, Deng J, Ouyang X, Hou X, Sun C, Wang Y, Cai Y, Li M, Tian C, Zhou X, Zhang M, Fan H, Mei H, Sarapultsev A, Wang H, Zhang G, Zipfel PF, Hu Y, Hu D, Luo S (2023) Sequence variation of *Candida albicans* Sap2 enhances fungal pathogenicity via complement evasion and macrophage M2-like phenotype induction. *Adv Sci (Weinh)* 10(20), e2206713.

[Details](#)



Noriega M, Husain-Syed F, Wulf S, Csala B, Krebs CF, Jabs W, Zipfel PF, Gröne HJ, Wiech T (2023) Kidney biopsy findings in patients with SARS-CoV-2 infection or after COVID-19 vaccination. *Clin J Am Soc Nephrol* 18(5), 613-625.

[Details](#)



Seifert L, Zahner G, Meyer-Schwesinger C, Hickstein N, Dehde S, Wulf S, Köllner SMS, Lucas R, Kyllies D, Froembling S, Zielinski S, Kretz O, Borodovsky A, Biniaminov S, Wang Y, Cheng H, Koch-Nolte F, Zipfel PF, Hopfer H, Puelles VG, Panzer U, Huber TB, Wiech T, Tomas NM (2023) The classical pathway triggers pathogenic complement activation in membranous nephropathy. *Nat Commun* 14(1), 473.

[Details](#)





Vilhena C, Du S, Battista M, Westermann M, Kohler T, Hammerschmidt S, Zipfel PF (2023) The choline-binding proteins PspA, PspC, and LytA of *Streptococcus pneumoniae* and their interaction with human endothelial and red blood cells. *Infect Immun* 91(9), e0015423.

[Details](#)



Zipfel PF, Zipfel S, Wiech T (2023) [Role of Complement in Kidney Diseases - New Aspects]. *Dtsch Med Wochenschr* 148(12), 774-779.

[Details](#)



Chen LY, Schirmer U, Widder M, Gruel Y, Rollin J, Zipfel PF, Nguyen TH (2022) Breast cancer cell-based ELISA: a potential material for better detection of heparin-induced thrombocytopenia antibodies. *J Mater Chem B* 10(38), 7708-7716.

[Details](#)



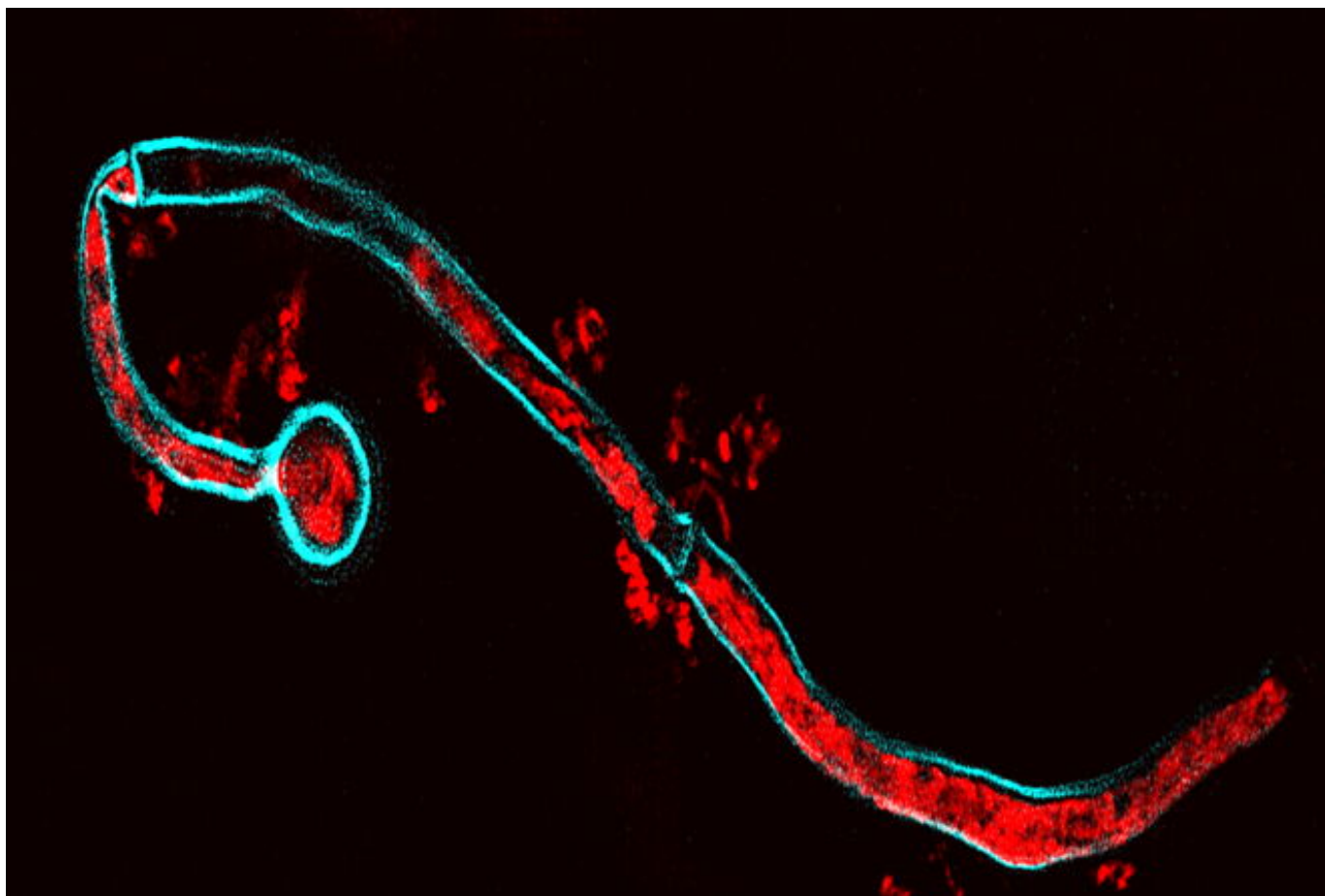
Page 1 of 16

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

[Publication list as PDF](#)

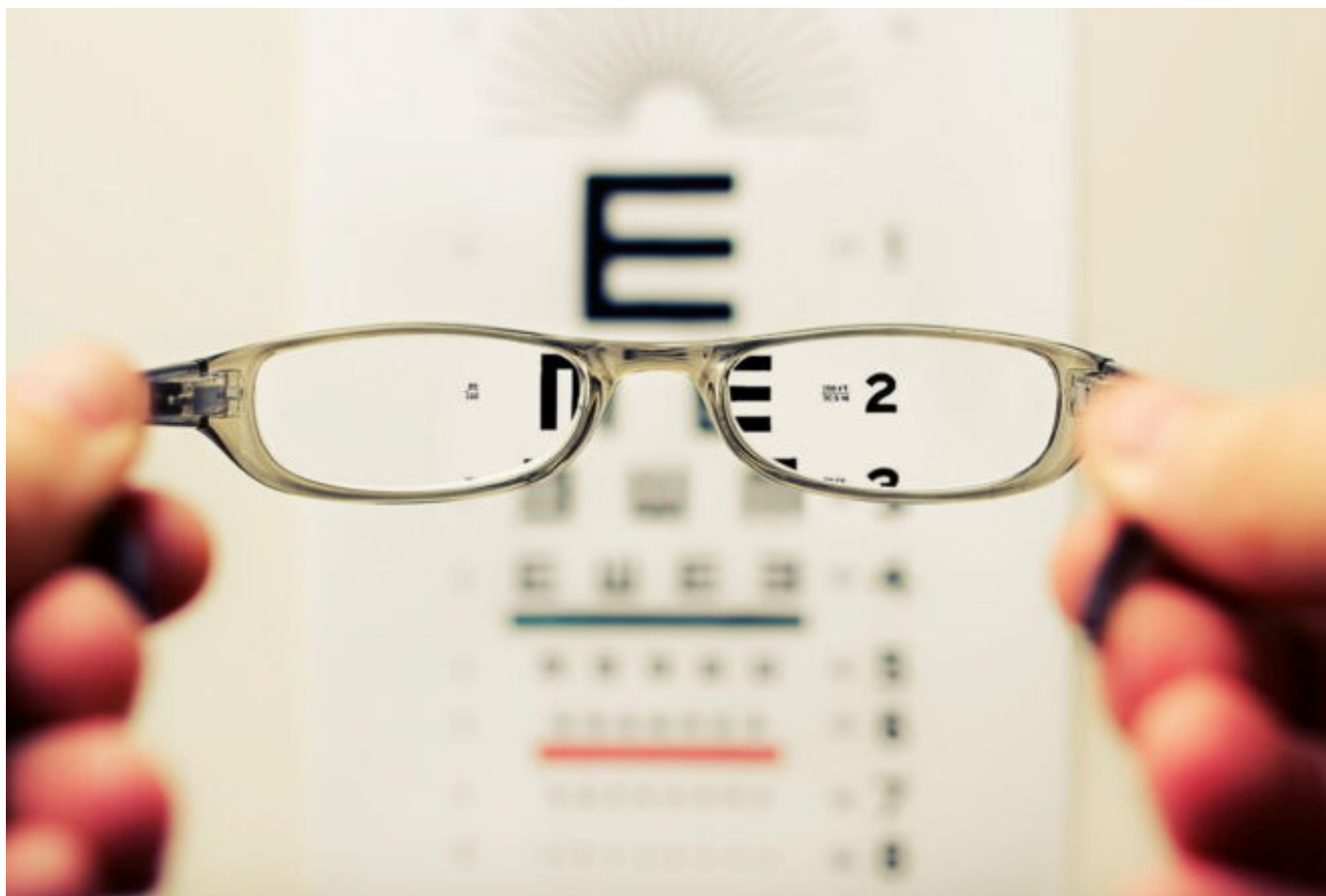
News

—



[How a fungus hijacks our immune system. During infection, the yeast *Candida albicans* stimulates the release of tiny RNA fragments, which then stimulate its own growth. An international resea...](#)
[02/08/2022](#) [Read more](#)

—



[Protein increases risk of age-related visual impairment The so-called age-related macular degeneration is one of the most common eye diseases. It affects people over 65 and leads to severe vision loss in th... 04/23/2020 Read more](#)

Links

[Google Scholar Profile](#)

[ResearchGate Profile](#)