

Kempf, Volkhard, Prof. Dr.

Date of Birth 19.09.1969 in Würzburg

Institute of Medical Microbiology
and Infection Control
University Hospital
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Position Professor W3
Children 3 daughters (2001, 2003, 2008)

1) Academic Education

1990-1991 Internships at Würzburg University (Pathology, Internal Medicine), and at the John Radcliffe Hospital Oxford (Vascular Surgery)
1990-1997 Medical education, Würzburg University

2) Advanced Professional Degrees

2011 Board certification „Hospital Infection Control“
2006 Medical specialization in “Medical Microbiology, Virology and Infection Epidemiology” (Facharzt)
2006 Habilitation for “Medical Microbiology and Hygiene”, Tübingen University
1999 Approbation as Medical Doctor
1997 Final Medical Examination
1993-1997 Doctoral-thesis, Institute for Hygiene and Medical Microbiology, Würzburg University (*summa cum laude*)

3) Positions Held

since 2017 Visiting Professor, School of Biomedical Sciences, Faculty of Biological Sciences, University of Leeds, Great Britain
since 2009 W3 Professor for Medical Microbiology and Infection Control, Goethe University Frankfurt am Main
2008 – 2009 “associated professor” for Medical Microbiology and Hygiene, Eberhard Karls-University, Tübingen
2006 – 2008 consultant, lecturer, group leader, Institute for Medical Microbiology and Hygiene, Eberhard Karls-University
1999 – 2006 senior house officer and group leader, Max von Pettenkofer-Institute, Ludwig Maximilians-University of Munich and Institute for Medical Microbiology and Hygiene, Eberhard Karls-University of Tübingen
1997– 1999 junior house officer („Arzt im Praktikum“), Max von Pettenkofer-Institute, Ludwig Maximilians-University of Munich

4) Other Activities

Honors and Awards

2017 Felix Wankel annual welfare award (Felix-Wankel-Foundation)
2005 Postdoktorandenpreis of the Robert-Koch-Foundation
2005 Young Investigator Award of the Deutsche Gesellschaft für Hygiene und Mikrobiologie
2000 M.D. thesis award, Julius Maximilians-University Würzburg

Other Professional Activities

- since 2017: acting president “Deutsche Gesellschaft für Hygiene und Mikrobiologie-Stiftung”
since 2014: co-speaker of DFG research group 2251 “*Acinetobacter baumannii*”
2012-2016: president „Frankfurter Medizinische Gesellschaft“
since 2012: editor in chief “Medical Microbiology and Immunology” (IF 3,08).
2009-2012: president of the division “Microbial Pathogenicity”, Deutsche Gesellschaft für Hygiene und Mikrobiologie
since 2009: head of the *Bartonella* consiliary expert laboratory (appointed by the Robert Koch-Institute; since 2009)

Memberships in Learned Societies

- European Society for Clinical Microbiology and Infectious Diseases
- German Society for Hygiene and Microbiology
- Berufsverband der Ärzte für Mikrobiologie (BÄMI)
- Robert-Koch-Stiftung

5) Publications - 10 most important out of 130, H-index: 35 (Google Scholar, January 2018)

- 1) Reinheimer, C., **Kempf, V.A.J. (corresponding)**, Göttig, S., Hogardt, M., Wichelhaus, T.A., O'Rourke, F., Brandt, C. Multidrug-resistant organisms detected in refugee patients admitted to a University Hospital, Germany June–December 2015. **Euro Surveill** 2016;21.
- 2) O'Rourke, F., Mändle, T., Urbich, C., Dimmeler, S., **Michaelis, U.R.**, Brandes, R.P., Flötenmeyer, M., Döring, C., Hansmann, M.-L., Lauber, K., Ballhorn, W., **Kempf, V.A.J.** Reprogramming of Myeloid Angiogenic Cells by *B. henselae* leads to microenvironmental regulation of pathological angiogenesis **Cell Microbiol** 2015, 17:1447-63.
- 3) Göttig, S. Gruber, T.M., Stecher, B., Wichelhaus, T.A., **Kempf, V.A.J.** *In vivo* transfer of the carbapenemase Oxa-48 between *Klebsiella pneumoniae* and *Escherichia coli* in an clinical outbreak scenario **Clin Infect Dis** 2015, 60:1808-15.
- 4) Wolf, T., Kann, G., Becker, S., Stephan, C., Brodt, H.-R., de Leuw, P., Grünewald, T., Vogl, T., **Kempf, V.A.J.**, Keppler, O.T., Zacharowski, K. A Medical Doctor with Severe Ebola Virus Infection with Vascular Leakage and Multi-Organ Failure Salvaged by Intensive Care Treatment. **Lancet** 2014 62384-9.
- 5) Kaiser, P.O., Linke, D., Schwarz, H., **Kempf, V.A.J.**; Analysis of the modular constructed *Bartonella* adhesin A (BadA) reveals domain-specific and domain-overlapping functions in the process of host cell infection with *Bartonella henselae*. **Cell Microbiol** 2012;14:198-209.
- 6) Göttig, S., Pfeifer, Y., Wichelhaus, T.A., Zacharowski, K., Bingold, T., Averhoff, B., Brandt, C., **Kempf, V.A.J.** (2010). Global spread of New Delhi metallo- β -lactamase 1. **Lancet Infect Dis**. 10: 828-829.
- 7) Hartmann, H., Eltzschig, H., Wurz, H., Hantke, K., Rakin, A., Yazdi, A.S., Matteoli, G., Bohn, E., Autenrieth, I.B., Karhausen, J., Neumann, D., Colgan, S.P., **Kempf, V.A.J.** (2008). Hypoxia-independent activation of HIF-1 by *Enterobacteriaceae* and their siderophores. **Gastroenterology** 134: 756-767.
- 8) Linke, D., Riess, T., Autenrieth, I.B., Lupas, A. and **Kempf, V.A.J.** (2006). Trimeric autotransporter adhesins: variable structure, common function. **Trends Microbiol**. 14: 264-270.
- 9) **Kempf, V.A.J.**, Lebidziejewski, M., Alitalo, K., Wälzlein, J., Eehalt, U., Fiebig, J., Huber, S., Schütt, B., Sander, C.A., Müller, S., Grassl, G.A., Brehm, B., Yazdi, A.S., Autenrieth, I.B. (2005). Activation of hypoxia inducible factor-1 in bacillary angiomatosis: evidence for a role of HIF-1 in bacterial infections. **Circulation** 111: 1052-1062.
- 10) Riess, T., Andersson, S.G.E., Lupas, A., Schaller, M., Schäfer, A., Kyme, P., Martin, J., Wälzlein, J.-H., Eehalt, U., Lindroos, H., Schirle, M., Nordheim, A., Autenrieth, I.B., **Kempf, V.A.J.** (2004). *Bartonella* adhesin A mediates a proangiogenic host cell response. **J. Exp. Med.** 200: 1267-1278.

Patents: Presently 9 patents in the areas of microbiological diagnostics and infection biology.