

## Curriculum Vitae

### Personal Data

Title	Univ.-Prof. Dr. rer. nat.
First name	Alexandra K.
Name	Kiemer
Current position	Full Professor (W3)
Current institution(s)/site(s), country	Saarland University, Pharmaceutical Biology, Saarbrücken
Identifiers/ORCID	0000-0002-7224-9900

### Qualifications and Career

Stages	Periods and Details
Degree programme	<p><b>Pharmacy</b> (second state examination), 1989-1993, LMU Munich, Germany</p> <p><b>Pharmacy</b> (third state examination, <i>Approbation</i>), 1994, Munich, Germany</p>
Doctorate	<p><b>1997, Prof. Dr. Angelika M. Vollmar, University of Munich, Veterinary School, Germany</b></p>
Stages of academic/professional career	<p><b>Scientific career</b></p> <p>1998-1999: <b>Post Doc</b></p> <ul style="list-style-type: none"> <li>- Department of Internal Medicine, LMU Munich</li> <li>- Department of Pharmacy, LMU Munich</li> </ul> <p>2000-2002: <b>Group leader, Bavarian Habilitation Award</b>, Department of Pharmacy, Pharmaceutical Biology, LMU Munich, and visiting researcher:</p> <ul style="list-style-type: none"> <li>- 2000: Kyowa Hakko Kogyo Ltd, Tokyo Research Laboratories, Tokyo, Japan (industry research lab)</li> <li>- 2001: Department of Internal Medicine, University of Florence, Florence, Italy</li> <li>- 2002: Australian Key Centre for Microscopy &amp; Microanalysis, Electron Microscope Unit, University of Sydney, Sydney, Australia</li> <li>- 2002: The Scripps Research Institute, Department of Immunology, La Jolla, USA</li> </ul> <p>2003: <b>Habilitation</b> in Pharmaceutical Biology and Pharmacology, LMU Munich</p>

	<p>2003: <b>Lecturer</b> (C2, <i>akad. Rätin auf Zeit</i>), Department of Pharmacy, Pharmaceutical Biology, LMU Munich</p> <p>2003-2005: <b>Feodor Lynen fellow</b> (Alexander von Humboldt foundation)</p> <ul style="list-style-type: none"> <li>- 2003-2005: The Scripps Research Institute, Department of Molecular and Experimental Medicine, La Jolla, USA</li> <li>- 2004-2005: University of California San Diego (UCSD), Division of Rheumatology, Allergy &amp; Immunology; Veterans Medical Research Foundation (VMRF), La Jolla, USA</li> </ul> <p>2005: <b>Visiting Scientist</b>, University of California Berkeley (UCB), School of Public Health, Berkeley, USA</p> <p>Since 2005: <b>Full professor</b>, Department of Pharmacy, Saarland University</p> <p>2016: <b>Sabbatical</b>, Stanford University, School of Medicine, Department of Microbiology &amp; Immunology, Palo Alto, USA</p>

### Engagement in the Research System (selection)

- 2010-2014 Managing Professor, Department of Pharmacy, Saarland University
- 2010-2014 Faculty Council: member
- 2012-2014 Senate of Saarland University: deputy member
- 2012-present Representative assembly of the Saarland Chamber of Pharmacists: member
- 2014-present Senate of Saarland University: member
- 2016-2021 Research Foundation Flanders (fwo), Belgium, Med3 panel: chairperson/panel
- 2017-2021 University Council (*Hochschulrat*) of Saarland University: deputy member
- 2019-2022 Ghent University: member of the fast-track promotion evaluation committee
- 2020-present Examinations board, Pharmacy studies (*AAppO*): chairperson
- 2020-present Conference of the Departments of Pharmacy, training committee: member
- 2021-present Saarland University, financial delegation: deputy member
- 2021-2022 Round table, amendment of the *Approbatonsordnung für Apotheker*: member
- 2022-present Goethe University Frankfurt, permanent external advisory board for tenure track procedures: member
- 2022-present Faculty Council: member
- 2022-present Section Pharmaceutical Biology of the German Pharmaceutical Society (*DPhG*): deputy chairperson

## Scientific Results

### Category A publications

1. Kendzia S, Franke S, Kröhler T, Golob-Schwarzl N, Schweiger C, Toeglhofer AM, Wodlej C, Bergler H, Pertschy B, Uranitsch S, Holte M, El-Heliebi A, Fuchs J, Punschart A, Stiegler P, Keil M, Hoffmann J, Henderson D, Lehrach H, Yaspo M-L, Reinhard C, Keilholz U, Regenbrecht C, Schicho R, Fickert P, Lax S, Erdmann F, Schulz MH, **Kiemer AK**, Haybaeck J, Kessler SM. 2023. A combined computational and functional approach identifies IGF2BP2 as a driver of chemoresistance in a wide array of pre-clinical models of colorectal cancer. *Mol Cancer* 22:89, doi: 10.1186/s12943-023-01787-x
2. Al-Fityan S, Diesel B, Fischer T, Empofo E, Schomisch A, Mashayekhi V, Schneider M, **Kiemer AK**. 2023. Nanostructured microparticles repolarize macrophages and induce cell death in an *in vitro* model of tumour-associated macrophages. *Pharmaceutics* 15:1895, 10.3390/pharmaceutics15071895
3. Schymik HS, Dahlem C, Barghash A, **Kiemer AK**. 2022. Comment on: The m6A reader IGF2BP2 regulates macrophage phenotypic activation and inflammatory diseases by stabilizing TSC1 and PPAR $\gamma$ . *Adv Sci* 2104372, doi: 10.1002/adv.202104372
4. Köhler N, Höring M, Czepukojc B, Rose TD, Buechler C, Kröhler T, Hayback J, Liebisch G, Pauling J, Kessler SM, **Kiemer AK**. 2022. Kupffer cells are protective in alcoholic steatosis. *Biochim Biophys Acta Mol Basis Dis* 1868:166398, doi: 10.1016/j.bbadis.2022.166398
5. Hoppstädter J, Dembek A, Höring M, Liebisch G, Dahlem C, Sultan A, Wirth N, Al-Fityan S, Diesel B, Gasparoni G, Walter J, Helms V, Huwer H, Simon M, Schulz MH, **Kiemer AK**. 2021. Dysregulation of cholesterol homeostasis in human lung cancer tissue and tumor-associated macrophages. *EBioMedicine* 72: 103578, doi: 10.1016/j.ebiom.2021.103578
6. Dahlem C, Siow WX, Lopatniuk M, Fai Tse WK, Kessler SM, Kirsch SH, Hoppstädter J, Vollmar, AM, Müller R, Luzhetskyy A, Bartel K, **Kiemer AK**. 2020. Thioholgamide A, a new anti-proliferative anti-tumor agent, modulates macrophage polarization and metabolism. *Cancers* 12:1288, doi: 10.3390/cancers12051288
7. Valbuena Perez JV, Linnenberger R, Dembek A, Bruscoli S, Riccardi C, Schulz MH, Meyer MR, **Kiemer AK**, Hoppstädter J. 2020. Altered glucocorticoid metabolism represents a feature of macroph-aging. *Aging Cell* 19:e13156, doi: 10.1111/ace.13156
8. Kessler SM, Hoppstädter J, Hosseini K, Laggai S, Haybaeck J, **Kiemer AK**. Lack of Kupffer cell depletion in diethylnitrosamine-induced hepatic inflammation. *J Hepatol* 2019; 70:175-7, doi: 10.1016/j.jhep.2018.11.018
9. Kröhler T, Kessler SM, Hosseini K, List M, Barghash A, Patial S, Laggai S, Gemperlein K, Haybäck J, Müller R, Helms V, Schulz MH, Hoppstädter J, Blackshear PJ, **Kiemer AK**. 2019. The mRNA-binding protein TTP in hepatocarcinogenesis and hepatocellular carcinoma. *Cancers* 11:1754, doi: 10.3390/cancers11111754
10. Hoppstädter J, Seif M, Dembek A, Cavelius C, Huwer H, Kraegeloh A, **Kiemer AK**. 2015. M2 polarization enhances silica nanoparticle uptake by macrophages. *Front Pharmacol* 6:55, doi: 10.3389/fphar.2015.00055

### Academic Distinctions

1999	Ellen Weber Award for Ph.D. thesis
2000	Bavarian Habilitation Award
2003	Feodor Lynen Fellowship, Alexander von Humboldt Foundation