



## Kerstin Voigt

[Jena Microbial Resource Collection · Head](#) [Molecular and Applied Microbiology](#) [National Reference Center for Invasive Fungal Infections](#) [kerstin.voigt@leibniz-hki.de](mailto:kerstin.voigt@leibniz-hki.de) +49 3641 532-1395 / +49 3641 949331

## Curriculum vitae

### Main Research Areas

- Infection biology of *Lichtheimia corymbifera*
- Influence of endosymbiotic bacteria on the natural product potential of *Conidiobolus coronatus*
- Evolution of the pathogenicity of zygomycetes

## Professional Career

|            |                                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Since 2010 | Head of the <i>Jena Microbial Resource Collection</i> (JMRC), an incorporated institution of the HKI and the Friedrich-Schiller-University Jena (FSU Jena) based at the Leibniz-Institute for Natural Product Research and Infection Biology – Hans-Knöll-Institute |
| 2005-2010  | Academic Council (A13, Institute for Microbiology, FSU Jena), Head of the Pilz-Referenz-Zentrum at the University Jena                                                                                                                                              |
| 1999-2005  | Assistant (C1), Institute for Microbiology, FSU Jena                                                                                                                                                                                                                |
| 1998-1999  | Visiting scientist, USDA, ARS, NCAUR Peoria IL, USA, funded through a postdoc fellowship of the DFG                                                                                                                                                                 |
| 1995-1998  | Head of the group plant pathology, FSU Jena                                                                                                                                                                                                                         |
| 2003       | Habilitation and <i>venia legendi</i> in microbiology, FSU Jena                                                                                                                                                                                                     |
| 1995       | Dr. rer. nat. in microbiology, „ <i>summa cum laude</i> “ FSU Jena and University of Surrey, Guildford, UK                                                                                                                                                          |
| 1992       | Diploma in molecular biology/biotechnology at the University Szeged/Ungarn                                                                                                                                                                                          |

## Awards · Appointments · Scientific Activities

|           |                                                                                                                                  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| 2013      | Editor, special edition: <i>mycoses</i>                                                                                          |
| 2012      | Editor, special edition: <i>persoonia</i>                                                                                        |
| 2011      | CBS-visiting tutor: CBS-biodiversity course, Centraalbureau voor Schimmelcultures (CBS Biodiversity Centre) Utrecht, Netherlands |
| 2011      | DAAD-visiting tutor: Chinese Academy of Sciences, Mycological Key Laboratories, Herbarium and Mycological Centre, Beijing, China |
| 2011      | Travel grants from the DAAD for the participation in the Asian Mycological Congress AMC10 (Seoul/Incheon, South Korea)           |
| 2011      | Award of the Korean Mycological Association for an excellent poster presentation                                                 |
| 2011      | Member of the editorial board, <i>Frontiers in Evolutionary and Population Genetics and MycoKeys</i>                             |
| 2010-2013 | Member of the faculty council of the faculty of biology and pharmacy, FSU Jena                                                   |
| 2010-2011 | EmbaRC/EU-visiting scientist: CABI Bioservices Centre U.K. Egham and Royal Botanic Gardens                                       |

|           |                                                                                                                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2010      | Kew, Mycology Section, Great Britain<br>Co-editor, <i>molecular identification of fungi</i> ,<br>Springer-Verlag Heidelberg, Dordrecht, London,<br>New York                                     |
| 2010      | AUMC-visiting tutor: Assiut University<br>Mycological Center, Egypt                                                                                                                             |
| 2009      | Travel grants from the DAAD for the participation<br>in the Asian Mycological Congress AMC9<br>(Taichung, Taiwan)                                                                               |
| 2009      | DAAD-visiting tutor: National University of<br>Education Taipei, Taiwan                                                                                                                         |
| 2007-2010 | Member of the council for equal opportunities<br>issues (Beirat für Gleichstellungsfragen) at the<br>FSU Jena, equal opportunities officer at the<br>faculty for biology and pharmacy, FSU Jena |
| 2007      | CBS-visiting tutor: CBS-Medical Mycology<br>Course, Centraalbureau voor Schimmelcultures<br>(CBS Biodiversity Centre) Utrecht, Netherlands                                                      |
| 2004      | Habilitation award from the FSU Jena                                                                                                                                                            |
| 2003-2005 | Member of the council of the FSU Jena                                                                                                                                                           |
| 2003      | Member of the editorial boards, <i>Journal of Basic<br/>Microbiology</i>                                                                                                                        |
| 2003      | Travel grants from the DFG for the participation<br>in the <i>XIV. Congress of European Mycologists</i>                                                                                         |
| 1999      | Fellow at the Deutsche Forschungsgemeinschaft<br>within a postdoc programme                                                                                                                     |
| 1996      | Dissertation prize from the faculty of biology and<br>pharmacy at the University Jena                                                                                                           |

## Topics

[Pathogenicity and biodiversity of Mucorales](#)

## Publications

Herisse M, Ishida K, Staiger-Creed J, Judd L, Williams SJ, Howden BP, Stinear TP, Dahse HM, Voigt K, Hertweck C, Pidot SJ (2023) Discovery and biosynthesis of the cytotoxic polyene terpenomycin in human pathogenic *Nocardia*. *ACS Chem Biol* 18(8), 1872-1879.

[Details](#)



Rassbach J, Hilsberg N, Haensch VG, Dörner S, Gressler J, Sonnabend R, Semm C, Voigt K, Hertweck C, Gressler M (2023) Non-canonical two-step biosynthesis of anti-oomycete indole alkaloids in Kickxellales. *Fungal Biol Biotechnol* 1010(1), 19.

[Details](#)



Rassbach J, Merseburger P, Wurlitzer JM, Binnemann N, Voigt K, Rohlf M, Gressler M (2023) Insecticidal cyclodepsitrapeptides from *Mortierella alpina*. *J Nat Prod* 86(7), 1715-1722.

[Details](#)



Acosta España J, Voigt K (2022) Mini review: Risk assessment, clinical manifestation, prediction, and prognosis of Mucormycosis: Implications for pathogen- and human-derived biomarkers. *Front Microbiol* 13, 895989. (Review)

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Acosta España J, Voigt K (2022) An old confusion: entomophthoromycosis versus mucormycosis and their main differences. *Front Microbiol* 13, 1035100. (Review)

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Erdenetsogt U, Nadmid S, Paetz C, Dahse HM, Voigt K, Gotov C, Boland W, Dagvadorj E (2022) New guaianolide sesquiterpene lactones and other constituents from *Pyrethrum pulchrum*. *Planta Med* 88(5), 380-388.

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Gryganskyi AP, Nie Y, Hajek AE, Hodge KT, Liu XY, Aadland K, Voigt K, Anishchenko IM, Kutovenko VB, Kava L, Vuck A, Vilgalys R, Huang B, Stajich JE (2022) The early terrestrial fungal lineage of *Conidiobolus* - Transition from saprotroph to parasitic lifestyle. *J Fungi (Basel)* 8(8), 789.

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Möckel L, Meusemann K, Misof B, Schwartz VU, De Fine Licht HH, Voigt K, Stielow B, de Hoog S, Beutel RG, Buellesbach J (2022) Phylogenetic revision and patterns of host specificity in the fungal subphylum Entomophthoromycotina. *Microorganisms* 10(2), 256.

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Montaño DE, Hartung S, Wich M, Ali R, Junnickel B, von Lilienfeld-Toal M, Voigt K (2022) The TLR-NF- $\kappa$ B axis contributes to the monocytic inflammatory response against a virulent strain of *Lichtheimia corymbifera*, a causative agent of invasive mucormycosis. *Front Immunol* 13, 882921.

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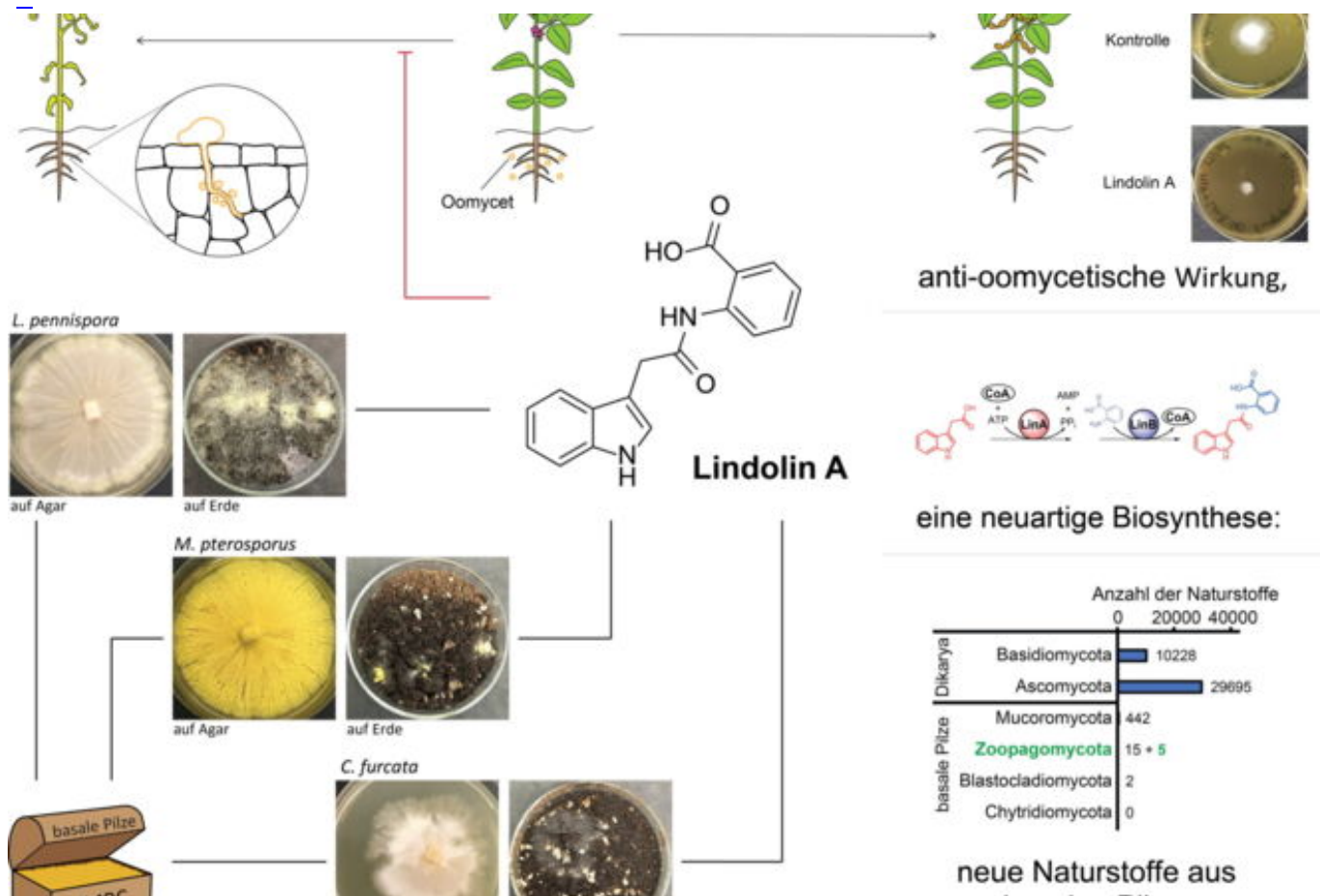
Riabova O, Egorova A, Lepioshkin A, Li Y, Voigt K, Kloss F, Makarov V (2022)  
Thienol[2,3-d]pyrimidine-core compounds show activity against clinically relevant gram-positive bacteria. *ChemMedChem* 17(17), e202200207.

[Details](#)

Page 1 of 9

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

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