

## Publikationen Prof. Dr. Axel Hamprecht

Sattler J, Tsvetkov T, Stelzer Y, Schäfer S, Sommer J, Noster J, Göttig S, **Hamprecht A.** Emergence of Tn1999.7, a New Transposon in blaOXA-48Harboring Plasmids Associated with Increased Plasmid Stability. *Antimicrob Agents Chemother.* 2022 Nov 15;66(11):e0078722. doi: 10.1128/aac.00787-22. Epub 2022 Oct 6. PMID: 36200773; PMCID: PMC9664867.

Noster J, Koeppl MB, Desnos-Olivier M, Aigner M, Bader O, Dichtl K, Göttig S, Haas A, Kurzai O, Pranada AB, Stelzer Y, Walther G, **Hamprecht A.** Bloodstream Infections Caused by *Magnusiomyces capitatus* and *Magnusiomyces Clavatus*: Epidemiological, Clinical, and Microbiological Features of Two Emerging Yeast Species. *Antimicrob Agents Chemother.* 2022 Feb 15;66(2):e0183421. doi: 10.1128/AAC.01834-21. Epub 2021 Dec 20. PMID: 34930027; PMCID: PMC8846490.

Noster J, Thelen P, **Hamprecht A.** Detection of Multidrug-Resistant Enterobacterales-From ESBLs to Carbapenemases. *Antibiotics (Basel).* 2021 Sep 21;10(9):1140. doi: 10.3390/antibiotics10091140. PMID: 34572722; PMCID: PMC8465816.

Fuchs F, Hof H, Hofmann S, Kurzai O, Meis JF, **Hamprecht A.** Antifungal activity of nitroxoline against *Candida auris* isolates. *Clin Microbiol Infect.* 2021 Nov;27(11):1697.e7-1697.e10. doi: 10.1016/j.cmi.2021.06.035. Epub 2021 Jul 7. PMID: 34245904.

Fuchs F, Ahmadzada A, Plambeck L, Wille T, **Hamprecht A.** Susceptibility of Clinical Enterobacterales Isolates with Common and Rare Carbapenemases to Mecillinam. *Front Microbiol.* 2021 Jan 12;11:627267. doi: 10.3389/fmicb.2020.627267. PMID: 33510739; PMCID: PMC7835630.

Meier M, **Hamprecht A.** Systematic comparison of four methods for the detection of carbapenemase-producing Enterobacterales (CPE) directly from blood cultures. *J Clin Microbiol.* 2019 Aug 14. pii: JCM.00709-19. doi: 10.1128/JCM.00709-19. [Epub ahead of print] PubMed PMID: 31413083.

Lucena Baeza L, Pfennigwerth N, **Hamprecht A.** Rapid and Easy Detection of Carbapenemases in Enterobacterales in the Routine Laboratory Using the New Gene POC Carba/Revogene Carba C Assay. *J Clin Microbiol.* 2019 Aug 26;57(9). pii: e00597-19. doi: 10.1128/JCM.00597-19. Print 2019 Sep. PubMed PMID: 31315949; PubMed Central PMCID: PMC6711903.

Fuchs F, **Hamprecht A.** Susceptibility of carbapenemase-producing Enterobacterales (CPE) to nitroxoline. *J Antimicrob Chemother.* 2019 Jul 10. pii: dkz275. doi: 10.1093/jac/dkz275. [Epub ahead of print] PubMed PMID: 31292653.

**Hamprecht A.**, Barber AE, Mellinghoff SC, Thelen P, Walther G, Yu Y, Neurgaonkar P, Dandekar T, Cornely OA, Martin R, Kurzai O; German *Candida auris* Study Group. *Candida auris* in Germany and Previous Exposure to Foreign Healthcare. *Emerg Infect Dis.* 2019 Sep;25(9):1763-1765. doi: 10.3201/eid2509.190262. Epub 2019 Sep 17. PubMed PMID: 31223105; PubMed Central PMCID: PMC6711216.

Fuchs F, **Hamprecht A.** Results from a Prospective In Vitro Study on the Mecillinam (Amdinocillin) Susceptibility of Enterobacterales. *Antimicrob Agents Chemother.* 2019 Mar 27;63(4). pii: e02402-18. doi: 10.1128/AAC.02402-18. Print 2019 Apr. PubMed PMID: 30917983; PubMed Central PMCID: PMC6437539.

Baeza LL, Pfennigwerth N, Greissl C, Göttig S, Saleh A, Stelzer Y, Gatermann SG, **Hamprecht A.** Comparison of five methods for detection of carbapenemases in Enterobacterales with proposal of a new algorithm. *Clin Microbiol Infect.* 2019 Mar 18. pii: S1198-743X(19)30104-1. doi: 10.1016/j.cmi.2019.03.003. [Epub ahead of print] PubMed PMID: 30898725.

Greissl C, Saleh A, **Hamprecht A.** Rapid detection of OXA-48-like, KPC, NDM, and VIM carbapenemases in Enterobacterales by a new multiplex immunochromatographic test. *Eur J Clin Microbiol Infect Dis.* 2019 Feb;38(2):331-335. doi: 10.1007/s10096-018-3432-2. Epub 2018 Nov 17. PubMed PMID: 30448931.

**Hamprecht A.,** Vehreschild JJ, Seifert H, Saleh A. Rapid detection of NDM, KPC and OXA-48 carbapenemases directly from positive blood cultures using a new multiplex immunochromatographic assay. *PLoS One.* 2018 Sep 14;13(9):e0204157. doi: 10.1371/journal.pone.0204157. eCollection 2018. PubMed PMID: 30216371; PubMed Central PMCID: PMC6138386.

Saleh A, Göttig S, **Hamprecht A. G.** Multiplex Immunochromatographic Detection of OXA-48, KPC, and NDM Carbapenemases: Impact of Inoculum, Antibiotics, and Agar. *J Clin Microbiol.* 2018 Apr 25;56(5). pii: e00050-18. doi: 10.1128/JCM.00050-18. Print 2018 May. PubMed PMID: 29444829; PubMed Central PMCID: PMC5925695.

**Hamprecht A.,** Morio F, Bader O, Le Pape P, Steinmann J, Dannaoui E. Azole Resistance in *Aspergillus fumigatus* in Patients with Cystic Fibrosis: A Matter of Concern? *Mycopathologia.* 2018 Feb;183(1):151-160. doi: 10.1007/s11046-017-0162-4. Epub 2017 Jun 26. Review. PubMed PMID: 28653258.

**Hamprecht A.,** Rohde AM, Behnke M, Feihl S, Gastmeier P, Gebhardt F, Kern WV, Knobloch JK, Mischnik A, Obermann B, Querbach C, Peter S, Schneider C, Schröder W, Schwab F, Tacconelli E, Wiese-Posselt M, Wille T, Willmann M, Seifert H, Zweigner J; DZIF-ATHOS Study Group. Colonization with third-generation cephalosporin-resistant Enterobacteriaceae on hospital admission: prevalence and risk factors. *J Antimicrob Chemother.* 2016 Oct;71(10):2957-63. doi: 10.1093/jac/dkw216. Epub 2016 Jun 17. PubMed PMID: 27317445.

Göttig S, Riedel-Christ S, Saleh A, Kempf VA, **Hamprecht A.** Impact of blaNDM-1 on fitness and pathogenicity of *Escherichia coli* and *Klebsiella pneumoniae*. *Int J Antimicrob Agents.* 2016 Jun;47(6):430-5. doi: 10.1016/j.ijantimicag.2016.02.019. Epub 2016 Apr 26. PubMed PMID: 27179815.

Jazmati N, Hein R, **Hamprecht A.** Use of an Enrichment Broth Improves Detection of Extended-Spectrum-Beta-Lactamase-Producing Enterobacteriaceae in Clinical Stool Samples. *J Clin Microbiol.* 2016 Feb;54(2):467-70. doi: 10.1128/JCM.02926-15. Epub 2015 Nov 25. PubMed PMID: 26607984; PubMed Central PMCID: PMC4733169.

Steinmann J, **Hamprecht A.,** Vehreschild MJ, Cornely OA, Buchheidt D, Spiess B, Koldehoff M, Buer J, Meis JF, Rath PM. Emergence of azole-resistant invasive aspergillosis in HSCT recipients in Germany. *J Antimicrob Chemother.* 2015 May;70(5):1522-6. doi: 10.1093/jac/dku566. Epub 2015 Jan 27. PubMed PMID: 25630644.

Gruber TM, Göttig S, Mark L, Christ S, Kempf VA, Wichelhaus TA, **Hamprecht A.** Pathogenicity of pan-drug-resistant *Serratia marcescens* harbouring blaNDM-1. *J Antimicrob Chemother.* 2015 Apr;70(4):1026-30. doi: 10.1093/jac/dku482. Epub 2014 Dec 2. PubMed PMID: 25468904.

Fischer J, van Koningsbruggen-Rietschel S, Rietschel E, Vehreschild MJ, Wisplinghoff H, Krönke M, **Hamprecht A**. Prevalence and molecular characterization of azole resistance in *Aspergillus* spp. isolates from German cystic fibrosis patients. *J Antimicrob Chemother*. 2014 Jun;69(6):1533-6. doi: 10.1093/jac/dku009. Epub 2014 Jan 31. PubMed PMID: 24486872.

**Hamprecht A.**, Christ S, Oestreicher T, Plum G, Kempf VA, Göttig S. Performance of two MALDI-TOF MS systems for the identification of yeasts isolated from bloodstream infections and cerebrospinal fluids using a time-saving direct transfer protocol. *Med Microbiol Immunol*. 2014 Apr;203(2):93-9. doi: 1007/s00430-013-0319-9. Epub 2013 Dec 6. PubMed PMID: 24310420.

**Hamprecht A.**, Poirel L, Göttig S, Seifert H, Kaase M, Nordmann P. Detection of the carbapenemase GIM-1 in *Enterobacter cloacae* in Germany. *J Antimicrob Chemother*. 2013 Mar;68(3):558-61. doi: 10.1093/jac/dks447. Epub 2012 Nov 14. PubMed PMID: 23152484.

**Hamprecht A.**, Buchheidt D, Vehreschild JJ, Cornely OA, Spiess B, Plum G, Halbsguth TV, Kutsch N, Stippel D, Kahl P, Persigehl T, Steinbach A, Bos B, Hallek M, Vehreschild MJ. Azole-resistant invasive aspergillosis in a patient with acute myeloid leukaemia in Germany. *Euro Surveill*. 2012 Sep 6;17(36):20262. PubMed PMID: 2297