

Journal Club - Institut für Bakteriologie und Mykologie 2017

Datum, Uhrzeit	Referent	Thema
04.01.2017 8.30 – 9.30	TÄ Theresa Bartosch	Proteomics 2011; 11: 4422–4433. Identification of novel secreted proteases during extracellular proteolysis by dermatophytes at acidic pH. <i>Dev Sriranganadane, Patrice Waridel, Karine Salamin, et al.</i>
11.01.2017 8.30 – 9.30	Dr. Anna Seydel	J Clin Microbiol. 2016 Nov 9. pii: JCM.01403-16. Towards a Standardized Method for Broth Microdilution Susceptibility Testing of Haemophilus parasuis. <i>Prüller S et al.</i>
18.01.2017 8.30 – 9.30	TÄ Karoline Schmitz von Hülst	Journal of Biological Chemistry, 290 (31); 19081-19092. Functional and Structural Characterization of the Antiphagocytic Properties of a Novel Transglutaminase from Streptococcus suis. <i>Jie Yu et al.</i>
25.01.2017 8.30 – 9.30	TÄ Juliane Fornefett	Virulence, Vol.7, issue 6, 2016.. Approved and novel strategies in diagnostics of rat bite fever and other Streptobacillus infections in humans and animals. <i>Eisenberg, Ewers, Rau, Akimkim, Nicklas.</i>
01.02.2017 8.30 – 9.30	TÄ Christine Weiße	Vaccine. 2016 Jun 24. pii: S0264-410X(16)30275-4 Live Streptococcus suis type 5 strain XS045 provides cross-protection against infection by strains of types 2 and 9. <i>Jiang X, Yang Y, Zhu L, Gu Y, Shen H, Shan Y, Li X, Wu J, Fang W.</i>
08.02.2017 8.30 – 9.30	Tilo Heydel	Journal of Microbiological Methods. 2016; 130:27. Characterization of Yeasts and Filamentous Fungi using MALDI Lipid Phenotyping. <i>Gerald Stuebiger, Michael Wuczkowski, Luis Mancera et al.</i>

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15.02.2017 8.30 – 9.30	PD Dr. Wieland Schrödl	FEMS Microbiol Lett., 2007, 267(1): 95-101. Closely related dermatophyte species produce different patterns of secreted Proteins. <i>Giddey K, Favre B, Quadroni M, Monod M.</i>
22.02.2017 8.30 – 9.30	Prof. Dr. Christoph G. Baums	J Biol Chem. 2014 May 30; 289(22): 15833–15844 Binding of Streptococcus pneumoniae Endopeptidase O (PepO) to Complement Component C1q Modulates the Complement Attack and Promotes Host Cell Adherence <i>Vaibhav Agarwal, Magdalena Sroka, Marcus Fulde, et al.</i>
01.03.2017 8.30 – 9.30	TÄ Viktoria Rungelrath	The Journal of biological chemistry: 291 (33); 17122–17132. Mechanisms of Host-Pathogen Protein Complex Formation and Bacterial Immune Evasion of Streptococcus suis Protein Fhb*. <i>Xueqin Li et al</i>
08.03.2017 8.30 – 9.30	Dr. René Bergmann	J Clin Microbiol. 2016 Nov 9. pii: JCM.01610-16. Evaluation of Veterinary-Specific Interpretive Criteria for Susceptibility Testing of Streptococcus equi subspecies with Trimethoprim-Sulfamethoxazole and Trimethoprim-Sulfadiazine. <i>Sadaka C, Kanellos T, Guardabassi L, Boucher J, Watts JL.</i>
15.03.2017 8.30 – 9.30	TÄ Juliane Fornefett	PlosOne 2015. Characterization of Biofilm Formation in [Pasteurella] pneumotropica and [Actinobacillus] muris Isolates of Mouse Origin. <i>Sager, Benten, Engelhardt, Gougoula, Benga.</i>
22.03.2017 8.30 – 9.30	Dr. Anna Seydel	Curr Microbiol DOI 10.1007/s00284-016-1160-3. Mac Protein is not an Essential Virulence Factor for the Virulent Reference Strain Streptococcus suis P1/7. <i>Genhui Xiao, Zongfu Wu, Shouming Zhang et al.</i>
29.03.2017 8.30 – 9.30	TÄ Karoline Schmitz von Hülst	Microbes and Infection 17 (2015) 237-242. Commensal Streptococcus mitis is a unique vector for oral mucosal Vaccination. <i>N. Daifalla et al.</i>

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05.04.2017 8.30 – 9.30	TÄ Theresa Bartosch	Journal of Clinical Microbiology 2014; 4286–4292. Matrix-Assisted Laser Desorption Ionization–Time of Flight (MALDI TOF) Mass Spectrometry Using the Vitek MS System for Rapid and Accurate Identification of Dermatophytes on Solid Cultures. <i>Sophie De Respinois, Valérie Monnin, Victoria Girar, et al.</i>
12.04.2017 8.30 – 9.30	TÄ Christine Weiße	J Bacteriol. 2015 Mar;197(5): 807-18. Bright fluorescent Streptococcus pneumoniae for live-cell imaging of host-pathogen interactions. <i>Kjos M, Aprianto R, Fernandes VE, Andrew PW, van Strijp JA, Nijland R, Veening JW.</i>
19.04.2017 8.30 – 9.30	Tilo Heydel	Proteomics, 16, 2016, 1742 – 1746. Visualizing fungal metabolites during mycoparasitic interaction by MALDI mass spectrometry imaging. <i>Matthias Holzlechner, Sonja Reitschmidt, Sabine Gruber, Susanne Zeilinger, Martina Marchetti – Deschmann.</i>
26.04.2017 8.30 – 9.30	PD Dr. Wieland Schrödl	Infect Immun., 1990, 58(6): 1979-85. A proteolytic enzyme secreted by Proteus mirabilis degrades immunoglobulins of the immunoglobulin A1 (IgA1), IgA2, and IgG isotypes. <i>Loomes LM, Senior BW, Kerr MA.</i>
03.05.2017 8.30 – 9.30	Prof. Dr. Christoph G. Baums	PLoS One. 2016 Jul 5;11(7):e0158752. Homologs of the LapD-LapG c-di-GMP Effector System Control Biofilm Formation by Bordetella bronchiseptica. <i>Ambrosis N, Boyd CD, O Toole GA, Fernández J, Sisti F.</i>
10.05.2017 8.30 – 9.30	TÄ Viktoria Rungelrath	The Journal of Immunology, 2016; 196:385-394. The Group B Streptococcus Secreted Protein CIP interacts with C4, Preventing C3b Deposition via the Lectin and Classical Complement Pathways. <i>Pietrocola et al.</i>

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17.05.2017 8.30 – 9.30	Dr. René Bergmann	PLoS One. 2016 Jan 25;11(1):e0147709. doi: 10.1371/journal.pone.0147709. eCollection 2016. Conserved Patterns of Microbial Immune Escape: Pathogenic Microbes of Diverse Origin Target the Human Terminal Complement Inhibitor Vitronectin via a Single Common Motif. <i>Hallström T, Singh B, Kraiczy P, et al.</i>
24.05.2017 8.30 – 9.30	TÄ Juliane Fornefett	Frontiers in Microbiology, Infectious Diseases 2016. Relevant Genes Linked to Virulence Are Required for Salmonella Typhimurium to Survive Intracellularly in the Social Amoeba Dictyostelium discoideum. <i>Riquelme et al.</i>
31.05.2017 8.30 – 9.30	Dr. Anna Seydel	BMC Microbiology DOI: 10.1186/s12866-016-0718-3. Pneumococcal colonization and invasive disease studied in a porcine model. <i>Astrid de Greeff et al.</i>
07.06.2017 8.30 – 9.30	TÄ Karoline Schmitz von Hülst	Vaccine (http://dx.doi.org/10.1016/j.vaccine.2016.11.008) Modular virus-like particles for sublingual vaccination against group A streptococcus. <i>Arjun Setz, Il Gyu Kong, Su-Hyun Lee, et al.</i>
14.06.2017 8.30 – 9.30	TÄ Theresa Bartosch	Journal de Mycologie Médicale 2016. Epidemiological trends of dermatophytosis in Tehran, Iran: A five-year retrospective study. <i>S. Zamani, G. Sadeghi, F. Yazdinia, et al.</i>
21.06.2017 8.30 – 9.30	TÄ Christine Weiße	Clin Microbiol Infect. 2012; 18 (5) : 109-16. Developing vaccines in the era of genomics: a decade of reverse vaccinology. <i>Seib KL, Zhao X, Rappuoli R.</i>

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<p>28.06.2017 8.30 – 9.30</p>	<p>Tilo Heydel</p>	<p>Euroreference, 1, June 2016. Prospective study on MALDI – TOF technology for the identification and characterisation of pathogenic fungi. <i>Jordhan Thuillier, Jean Sébastien Py, Benoît Gassilloud, Thierry Chesnot, Renaud Ios.</i></p>
<p>05.07.2017 8.30 – 9.30</p>	<p>PD Dr. Wieland Schrödl</p>	<p>Infect Immun., 2008, 76(3): 1314-1318. Subunit vaccine against the seven serotypes of botulism. <i>Baldwin MR, Tepp WH, Przedpelski A, Pier CL, Bradshaw M, Johnson EA, Barbieri JT.</i></p>
<p>12.07.2017 8.30 – 9.30</p>	<p>Prof. Dr. Christoph G. Baums</p>	<p>Proc Natl Acad Sci U S A. 2011 Jul 26; 108(30): 12419–12424. Listeria monocytogenes engineered to activate the Nlrp4 inflammasome are severely attenuated and are poor inducers of protective immunity <i>John-Demian Sauer, Sabine Pereyre, Kristina A. Archer, et al.</i></p>