



UNIVERSITÄT LEIPZIG



Shared online Journal Club

of the Institute for Parasitology and the Institute for Bacteriology and

Mycology starting on the 14th of March 2025

Jour fix: Fridays 9.00 to 10.00 a.m. (10 hours over all)			
Date, Time	Speaker	Topic/Publication	
14.03.25	Dr. Sophie Kähl	Vaidya, S., Saha, D., Rode, D.K.H. et al. Bacteria use exogenous peptidoglycan as a danger signal to trigger biofilm formation. <i>Nat Microbiol</i> 10, 144–157 (2025). https://doi.org/10.1038/s41564-024-01886-5	jeweils 09:00 bis 10:00 Uhr einschl. Diskussion
21.03.25	Dr. Thomas Grochow	Rice, K.C., Davis, K.A.T. Brief Communication: Confocal microscopy of oral streptococcal biofilms grown in simulated microgravity using a random positioning machine. <i>npj Microgravity</i> 10, 89 (2024). https://doi.org/10.1038/s41526-024-00427-y	
28.03.25	Dr. Leonie Mayer	Ylhäinen A, Mölsä S, Thomson K, Laitinen-Vapaavuori O, Rantala M, Grönthal T. Bacteria associated with canine pyometra and concurrent bacteriuria: A prospective study. <i>Vet Microbiol.</i> 2025 Feb;301:110362. doi: 10.1016/j.vetmic.2024.110362. Epub 2024 Dec 28. PMID: 39778300.	
04.04.25	Dr. Sophie Öhlmann	Membrane vesicle delivery of a streptococcal M protein disrupts the blood-brain barrier by inducing autophagic endothelial cell death Fei Pan, Mingli Zhu, Ying Liang, Chen Yuan, Yu Zhang, Yuchang Wang, Hongjie Fan, Matthew K Waldor, <i>Zhe Ma</i> 10.1073/pnas.2219435120	
11.04.25	TÄ Paula Ohmann	Giardia VSPAS7 protein attenuates Giardia intestinalis-induced host macrophage pyroptosis Min Sun, Zhiteng Zhao, Ying Li, Lili Cao, Jianhua Li, Xichen Zhang, Xin Li, Nan Zhang, Shuqin Cheng, Xiaocen Wang and Pengtao Gong 2023 https://doi.org/10.1186/s13071-023-05949-0	
02.05.25	Prof. Dr. Christoph Baums	Klebsiella pneumoniae ST258 Negatively Regulates the Oxidative Burst in Human Neutrophils Luis A Castillo 1 , Federico Birnberg-Weiss 1 , Nahuel Rodriguez-Rodrigues 1 , Daiana Martire-Greco 1 , Fabiana Bigi 2 , Veronica I Landoni 1 , Sonia A Gomez 3 , Gabriela C Fernandez 1 <i>Front Immunol.</i> 2019 Apr 26;10:929.doi:10.3389/fimmu.2019.00929. eCollection 2019.	

09.05.25	TÄ Tanja Wurzer	Encapsulated <i>Streptococcus suis</i> impairs optimal neutrophil functions which are not rescued by priming with colony-stimulating factors. Marêva Bleuzé, Jean-Pierre Lavoie, Christian Bédard, Marcelo Gottschalk, Mariela Segura. PLoS One. 2024 Jan 23;19(1):e0296844.	Jeweils 9:00 bis 10:00 Uhr einschl. Diskussion
16.05.25	TÄ Josepha Hallbauer	Immune response induced by a <i>Streptococcus suis</i> multi-serotype autogenous vaccine used in sows to protect post-weaned piglets Alison Jeffery, Mélina Gilbert, Lorelei Corsaut, Annie Gaudreau, Milan R Obradovic, Simon Cloutier, Marie-Christine Frenette, Charles Surprenant, Sonia Lacouture, Jose Luis Arnal, Marcelo Gottschalk, Mariela Segura Veterinary Research, 2024 May DOI: 10.1186/s13567-024-01313-x	
23.05.25	Prof. Dr. Wieland Schrödl	Long A, Nolen-Walston R: Equine Inflammatory Markers in the Twenty-First Century: A Focus on Serum Amyloid A. Vet Clin North Am Equine Pract. 2020; 36(1):147-160.	
06.06.25	TÄ Sophia Hanstein	Bacteriophage treatment is effective against carbapenemresistant <i>Klebsiella pneumoniae</i> (KPC) in a neutropenic murine model of gastrointestinal translocation and renal infection; Panagiotis Zagaliotis, Jordyn Michalik-Provasek, Eleftheria Mavridou, Ethan Naing, Ioannis S. Vizirianakis, Dimitrios Chatzidimitriou, Jason J. Gill, Thomas J. Walsh; Antimicrobial Agents and Chemotherapy; December 2024	

Please contact our secretary, Mrs. Ladenthin, if you want to participate in the Journal Club (sekbakmyk@vetmed.uni-leipzig.de).