

Journal Club - Institut für Bakteriologie und Mykologie starting 06.05.22

Jour fix: Fridays 9.30 to 10.30 a.m. (24 hours over all)			
Date, Time	Speaker	Topic/Publication	Session
06.05.2022	TÄ Julia Holthoff	Journal of Clinical Microbiology, 1998 Canine Intestinal Spirochetes Consist of <i>Serpulina pilosicoli</i> and a Newly Identified Group Provisionally Designated ,<i>Serpulina canis</i>' sp. nov. Duhamel, G. E.; Trott, D. J.; Muniappa, N.; Mathiesen, M. R.; Tarasiuk, K.; Lee, J. I.; Hampson, D. J.	1 (6 h)
13.05.2022	TÄ Annika Breitfelder	Nature, 2021 Capsular polysaccharide switching in <i>Streptococcus suis</i> modulates host cell interactions and virulence Masatoshi Okura ^{1,10*} , Jean-Philippe Auger ^{2,10} , Tomoyuki Shibahara ^{3,4} , Guillaume Goyette-Desjardins ² , Marie-Rose Van Calsteren ⁵ , Fumito Maruyama ^{6,7} , Mikihiro Kawai ⁸ , Makoto Osaki ¹ , Mariela Segura, Marcelo Gottschalk & Daisuke Takamatsu	
20.05.2022	Prof. Dr. Wieland Schrödl	Mol Immunol 2013; 56(3):232-9. An international serum standard for application in assays to detect human complement activation products Grethe Bergseth, Judith K Ludviksen, Michael Kirschfink, Patricia C Giclas, Bo Nilsson, Tom E Mollnes	
27.05.2022	Dr. Karoline Rieckmann	Scientific reports, 2019 Complement-dependent outer membrane perturbation sensitizes Gram-negative bacteria to Gram-positive specific antibiotics Heesterbeek, D. A. C.; Martin, N. I.; Velthuisen, A.; Duijst, M.; Ruyken, M.	
03.06.2022	TÄ Leonie Mayer	Immunology. 1973 Jan;24(1):157-62. The transfer of immunoglobins IgG, IgA and IgM from serum to colostrum and milk in the sow F J Bourne, J Curtis	
10.06.2022	TÄ Carolin Liedel	Veterinary Research, 2021 Immunogenicity study of a <i>Streptococcus suis</i> autogenous vaccine in preparturient sows and evaluation of passive maternal immunity in piglets Lorelei Corsaut, Léa Martelet, Guillaume Goyette-Desjardins, Guy Beauchamp, Martine Denicourt, Marcelo Gottschalk and Mariela Segura	

17.06.2022	TÄ Sophie Öhlmann	Infection and Immunity, 2020 Inflammatory Monocytes and Neutrophils Regulate Streptococcus suis-Induced Systemic Inflammation and Disease but Are Not Critical for the Development of Central Nervous System Disease in a Mouse Model of Infection Jean-Philippe Auger, Serge Rivest, Marie-Odile Benolt-Biancamano, Mariela Segura, Marcelo Gottschalk	2 (6 h)
24.06.2022	Prof. Dr. Christoph G. Baums	Lancet Microbe 2021; 2: e695–703 Interaction of Klebsiella pneumoniae with tissue macrophages in a mouse infection model and ex-vivo pig organ perfusions: an exploratory investigation Joseph J Wanford, Ryan G Hames, David Carreno, Zydrune Jasiunaite, Wen Y Chung, Fabio Arena, Vincenzo Di Pilato, Kornelis Straatman, Kevin West, Robeena Farzand, Mariagrazia Pizza, Luisa Martinez-Pomares, Peter W Andrew, E Richard Moxon, Ashley R Dennison, Gian Maria Rossolini, Marco R Oggioni	
01.07.2022	TÄ Julia Holthoff	BMC Veterinary Research, 2012 The use of ELISAs for monitoring exposure of pig herds to Brachyspira hyodysenteriae Song, Yong; Frey, Barbara; Hampson, David J.	
08.07.2022	TÄ Annika Breitfelder	Frontiers in Immunology, 2019 Macrophage-B Cell Interactions in the Inverted Porcine Lymph Node and Their Response to Porcine Reproductive and Respiratory Syndrome Virus Elise Bordet ¹ , Maxence Frétau ^{1 2} , Elisa Crisci ^{1 3 4} , Edwige Bouguyon ¹ , Stéphane Rault ¹ , Jérémy Pezant ⁵ , Alexis Pleau ⁵ , Patricia Renson ^{6 7} , Elisabetta Giuffra ³ , Thibaut Larcher ⁸ , Mickael Bourge ⁹ , Olivier Bourry ^{6 7} , Olivier Boulesteix ⁵ , Christelle Langevin ^{1 2} , Isabelle Schwartz-Cornil ¹ , Nicolas Bertho ¹	
14.07.2022	Prof. Dr. Wieland Schrödl	Vet Immunol Immunopathol 1993; 38:139-53. Purification and characterization of equine complement factor C3 J S Boschwitz, J F Timoney	
22.07.2022	Dr. Karoline Rieckmann	Frontiers in Immunology, 2018 Heterologous Prime-Boost Combinations Highlight the Crucial Role of Adjuvant in Priming the Immune System Ciabattini, Annalisa; Pettini, Elena; Fiorino, Fabio; Lucchesi, Simone; Pastore, Gabiria; Brunetti, Jlenia; Santoro, Francesco; Andersen, Peter; Bracci, Luisa; Pozzi, Gianni; Medaglini, Donata	

29.07.2022	TÄ Leonie Mayer	Vet Res. 2021 Oct 19;52(1):133. doi: 10.1186/s13567-021-01004-x . Experimental evaluation of protection and immunogenicity of Streptococcus suis bacterin-based vaccines formulated with different commercial adjuvants in weaned piglets Milan R Obradovic 1 , Lorelei Corsaut 1 , Dominic Dolbec 1 , Marcelo Gottschalk 2 , Mariela Segura	3 (6 h)
09.09.2022	TÄ Carolin Liedel	Vaccines, 2021 Sow Vaccination with a Protein Fragment against Virulent Glaesserella (Haemophilus) parasuis Modulates Immunity Traits in Their Offspring Sergi López-Serrano, Carlos Neila-Ibáñez , Mar Costa-Hurtado 1, Yasser Mahmmod, Jorge Martínez-Martínez, Iván José Galindo-Cardiel 6, Ayub Darji 1,4, Fernando Rodríguez, Marina Sibila 1,4 and Virginia Aragon	
16.09.2022	TÄ Sophie Öhlmann	Cell, 2020 Patrolling Alveolar Macrophages Conceal Bacteria from the Immune System to Maintain Homeostasis Arpan Sharma Neupane 1 , Michelle Willson, Andrew Krzysztof Chojnacki 2 , Fernanda Vargas E Silva Castanheira 1 , Christopher Morehouse 3 , Agostina Carestia 4 , Ashley Elaine Keller 3 , Moritz Peiseler 1 , Antonio DiGiandomenico 3 , Margaret Mary Kelly 5 , Matthias Amrein 6 , Craig Jenne 7 , Ajitha Thanabalasuriar 8 , Paul Kubes 9	
23.09.2022	Huodan Zhu	Emerg Microbes Infect. 2021 Dec Acquiring high expression of suilysin enable non-epidemic Streptococcus suis to cause streptococcal toxic shock-like syndrome (STSLs) through NLRP3 inflammasome hyperactivation Lei Xua *, Lan Lin *, Xi Lua, Peng Xiao , Ran Liua, Meizhou Wu , Meilin Jin , and Anding Zhang	
30.09.2022	TÄ Julia Holthoff	Frontiers in Microbiology, 2016 The Exposed Proteomes of Brachyspira hyodysenteriae and B. pilosicoli Casas, Vanessa; Vadillo, Santiago; San Juan, Carlos; Carrascal, Montserrat; Abian, Joaquin	
07.10.2022	TÄ Annika Breitfelder	Scand. J. Immunol. Role of J Chain in Secretory Immunoglobulin Formation F.-E. JOHANSEN, R. BRAATHEN & P. BRANDTZAEG	

14.10.2022	Prof. Dr. Wieland Schrödl	Biochimica et Biophysica Acta, 1033 (1990) 49-56 49 Diversities in animal vitronectins. Differences in molecular weight, immunoreactivity and carbohydrate chains Haruko Kitagaki-Ogawa, Takemi Yatohgo, Masako Izumi, Masao Hayashi, Heihachiro Kashiwagi, Isamu Matsumoto and Nobuko Seno	4 (6 h)
21.10.2022	Dr. Karoline Rieckmann	Scientific Reports, 2022 Sow vaccination against virulent <i>Glaesserella parasuis</i> shapes the nasal microbiota of their offspring Blanco-Fuertes, Miguel; Correa-Fiz, Florencia; López-Serrano, Sergi; Sibila, Marina; Aragon, Virginia	
28.10.2022	TÄ Leonie Mayer	Vet Res 2021 Dec 19;52(1):145. Piglet innate immune response to <i>Streptococcus suis</i> colonization is modulated by the virulence of the strain Carlos Neila-Ibáñez # 1 2 , Louise Brogaard # 3 4 , Lola Pailler-García 1 2 , Jorge Martínez 2 5 6 , Joaquim Segalés 2 5 6 , Mariela Segura 7 , Peter M H Heegaard 8 , Virginia Aragon #	
04.11.2022	TÄ Carolin Liedel	The Veterinary Journal 2015 Clinical effects of buprenorphine on open field behaviour and gait symmetry in healthy and lame weaned piglets Meijer, Ellen; van Nes, Arie; Back, Willem; van der Staay, Franz Josef	
11.11.2022	TÄ Sophie Öhlmann	Clinical immunology 2017 An optimized whole blood assay measuring expression and activity of NLRP3, NLRC4 and AIM2 inflammasomes Lev Grinstein, Kristin Endter, Christian M. Hedrich, Sören Reinke, Hella Luksch, Felix Schulze, Avril A.B. Robertson, Matthew A. Cooper, Angela Rösen-Wolff, Stefan Winkler	
18.11.2022	Prof. Dr. Christoph G. Baums	Cellular Microbiology (2006) 8(4), 690–703 <i>Streptococcus pyogenes</i> bacteria modulate membrane traffic in human neutrophils and selectively inhibit azurophilic granule fusion with phagosomes Leïla Staali, Susanne Bauer, Matthias Mörgelin, Lars Björck and Hans Tapper	

Please contact our secretary, Mrs. Ladenthin, if you want to participate in the Journal Club (sekbakmyk@vetmed.uni-leipzig.de). Of note, the Journal Club is divided into 4 sessions with 6 hours each. ATF credits for one session are only warranted if attendance of all lectures of this session are confirmed.