

Publikationsliste

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- Jungwirth N, Puff C, Köster K, Mischke R, Meyer H, Stark A, Thoma B, Zöller G, **Seehusen F**, Hewicker-Trautwein M, Beineke A, Baumgärtner W, Wohlsein P, 2018. Atypical cowpox virus infection in a series of cats. *J Comp Pathol* 158: 71-76. <https://doi.org/10.1016/j.jcpa.2017.12.003>
- Samir M, Hamed M, Abdallah F, Kinh Nguyen V, Hernandez-Vargas E, **Seehusen F**, Baumgärtner W, Hussein A, Ali A, Pessler F, 2018. An Egyptian HPAI H5N1 isolate from clade 2.2.1.2 is highly pathogenic in an experimentally infected domestic duck breed (Sudani duck). *Transbound Emerg Dis* 65(3): 859-873. <https://doi.org/10.1111/tbed.12816>
- Muroi C, Hugelshofer M, **Seehusen F**, Keller E, 2019. Natural cerebral aneurysm and spontaneous subarachnoid hemorrhage in mammals other than man: is there a scope for comparative medicine? *World Neurosurg* 122: 384-389. <https://doi.org/10.1016/j.wneu.2018.11.007>
- Scherrer S, Stephan R, Zumthor JP, Kipar A, **Seehusen F**, 2019. Morphological and molecular characterization of a new *Mycobacterium avium* subsp. *paratuberculosis* S-type strain genotype in goats. *Front Vet Sci* 6: 250. <https://doi.org/10.3389/fvets.2019.00250>
- Hepplmann M, Strüve K, Hansmann F, **Seehusen F**, Kehler W, 2019. Urethral fistula after resection of a penile fibropapilloma in a Holstein Friesian bull. *Schweiz Arch Tierheilkd.* 2019, 161(9): 553-557. <https://doi.org/10.17236/sat00221>
- Reineking W, **Seehusen F**, Lehmecker A, Wohlsein P, 2019. Predominance of granular cell tumours among testicular tumours of rabbits (*Oryctolagus cuniculi f. dom.*). *J Comp Pathol* 173: 24-29
- Samir M, Vidal RO, Abdallah F, Capece V, **Seehusen F**, Geffers R, Hussein A, Ali AAH, Bonn S, Pessler F, 2020. Organ-specific small non-coding RNA responses in domestic (Sudani) ducks experimentally infected with highly pathogenic avian influenza virus (H5N1). *RNA Biol* 17(1): 112-124. <https://doi.org/10.1080/15476286.2019.1669879>
- Puca E, De Luca R, **Seehusen F**, Rodriguez JMM, Neri D, 2020. Comparative evaluation of bolus and fractionated administration modalities for two antibody-cytokine fusions in immunocompetent tumor-bearing mice. *J Control Release* 317: 282-290. <https://doi.org/10.1016/j.jconrel.2019.11.036>
- Kottmeier LK, **Seehusen F**, Helweg M, Rohn K, Stadler P, Hellige M, 2020. High-field (3 Tesla) MRI of the navicular apparatus of sound horses shows good agreement to histopathology. *Vet Radiol Ultrasound* 61(1): 48-57. <https://doi.org/10.1111/vru.12825>
- Hiltbold M, Niu G, Kadri NK, Crysanto D, Fang ZH, Spengeler M, Schmitz-Hsu F, Fuerst C, Schwarzenbacher H, Seefried FR, **Seehusen F**, Witschi U, Schnieke A, Fries R, Bollwein H, Flisikowski K, Pausch H, 2020. Activation of cryptic splicing in bovine WDR19 is associated with reduced semen quality and male fertility. *PLoS Genet* 16(5): e1008804. <https://doi.org/10.1371/journal.pgen.1008804>
- Perruzza L, Jaconi S, Lombardo G, Pinna D, Strati F, Morone D, **Seehusen F**, Hu Y, Bajoria S, Xiong J, Kumru OS, Joshi SB, Volkin DB, Piantanida R, Benigni F, Grassi F, Corti D, Pizzuto MS, 2020. Prophylactic Activity of orally administered FliD-reactive monoclonal SIgA against *Campylobacter* infection. *Front Immunol* 11: 1011. <https://doi.org/10.3389/fimmu.2020.01011>
- Kast F, Schwill M, Stüber JC, Pfundstein S, Nagy-Davidescu G, Rodríguez JMM, **Seehusen F**, Richter CP, Honegger A, Hartmann KP, Weber TG, Kroener F, Ernst P, Piehler J, Plückthun A, 2021. Engineering an anti-HER2 biparatopic antibody with a multimodal mechanism of action. *Nat Commun* 12(1): 3790. <https://doi.org/10.1038/s41467-021-23948-6>
- Arz R, **Seehusen F**, Meier VS, Nolff MC, 2022. Indocyanine-based near-infrared lymphography for real-time detection of lymphatics in a cat with multiple mast cell tumours. *JFMS Open Rep* 8(1): 20551169221074961. <https://doi.org/10.1177/20551169221074961>
- Spiegel F, Spiegel S, von Altröck A, Verspohl J, **Seehusen F**, Wendt M, 2022. Bacteriological investigation of milk samples and biopsies from the mammary gland of healthy sows. *Tierarztl Prax Ausg G Grosstiere Nutztiere* 50(1): 30-37. <https://doi.org/10.1055/a-1696-3952>
- Polster S, Lechmann J, Lienhard J, Peltzer D, Prähauser B, Bachofen C, **Seehusen F**, 2022. First report of TTSuV1 in domestic Swiss pigs. *Viruses* 14(5): 870. <https://doi.org/10.3390/v14050870>
- Seehusen F**, Clark JJ, Sharma P, Bentley EG, Kirby A, Subramaniam K, Wunderlin-Giuliani S, Hughes GL, Patterson EI, Michael BD, Owen A, Hiscox JA, Stewart JP, Kipar A, 2022. Neuroinvasion and

- neurotropism by SARS-CoV-2 variants in the K18-hACE2 mouse. *Viruses* 14(5): 1020. [https://doi: 10.3390/v14051020](https://doi.org/10.3390/v14051020)
- Arbex PM, **Seehusen F**, Morais AP, Guerra MO, Peters VM, 2022. Beneficial metabolic effects of probiotic supplementation in dams and offspring following hypercaloric diet during pregnancy *Nutrition Clinique et Métabolisme* 36(2): 138-146. <https://doi.org/10.1016/j.nupar.2022.02.003>
- Belluco S, Marano G, Baiker K, Beineke A, Oevermann A, **Seehusen F**, Boracchi P, Pumarola M, Mandara MT, 2022. Standardisation of canine meningioma grading: Inter-observer agreement and recommendations for reproducible histopathologic criteria. *Vet Comp Oncol* 20(2):509-520. [https://doi: 10.1111/vco.12802](https://doi.org/10.1111/vco.12802)
- Perruzza L, Strati F, Raneri M, Li H, Gargari G, Rezzonico-Jost T, Palatella M, Kwee I, Morone D, **Seehusen F**, Sonogo P, Donati C, Franceschi P, Macpherson AJ, Guglielmetti S, Greiff V, Grassi F, 2022. Apyrase-mediated amplification of secretory IgA promotes intestinal homeostasis. *Cell Rep* 40(3): 111112. [https://doi: 10.1016/j.celrep.2022.111112](https://doi.org/10.1016/j.celrep.2022.111112)
- Martini F, **Seehusen F**, Krudewig C, Beckmann KM, Favrot C, Fischer NM, Guenova E, Rostaher A, 2022. Phaeohyphomycosis caused by *Phialophora americana* in a dog. *Vet Dermatol* 33(5): 446-449. [https://doi: 10.1111/vde.13096](https://doi.org/10.1111/vde.13096)
- Sobecki M, Chen J, Krzywinska E, Nagarajan S, Fan Z, Nelius E, Monné Rodriguez JM, **Seehusen F**, Hussein A, Moschini G, Hajam EY, Kiran R, Gotthardt D, Debbache J, Badoual C, Sato T, Isagawa T, Takeda N, Tanchot C, Tartour E, Weber A, Werner S, Loffing J, Sommer L, Sexl V, Münz C, Feghali-Bostwick C, Pachera E, Distler O, Snedeker J, Jamora C, Stockmann C, 2022. Vaccination-based immunotherapy to target profibrotic cells in liver and lung. *Cell Stem Cell* 29(10): 1459-1474.e9. [https://doi: 10.1016/j.stem.2022.08.012](https://doi.org/10.1016/j.stem.2022.08.012)
- Avilla-Royo E, **Seehusen F**, Devaud YR, Monné Rodriguez JM, Struebing N, Weisskopf M, Messersmith PB, Vonzun L, Moehrlen U, Ochsenbein-Kölbl N, Ehrbar M, 2022. *In vivo* sealing of fetoscopy-induced fetal membrane defects by mussel glue. *Fetal Diagnosis and Therapy*, accepted
- Jooss T, Zhang J, Zimmer B, Rezzonico-Jost T, Rissiek B, Pelczar PF, **Seehusen F**, Koch-Nolte F, Magnus T, Zierler S, Huber S, Schemann M, Grassi F, Nicke A, 2022. Macrophages and glia are the dominant P2X7-expressing cell types in the gut nervous system – no evidence for a role of neuronal P2X7 receptors in colitis *Mucosal Immunology*, accepted