

Publication list

2024

1. Yergaliyev T, Künzel S, Hanauska A, Rees A, Wild KJ, Pétursdóttir ÁH, Gunnlaugsdóttir H, Reynolds CK, Humphries DJ, Rodehutsord M, **Camarinha-Silva A**. 2024. The effect of *Asparagopsis taxiformis*, *Ascophyllum nodosum*, and *Fucus vesiculosus* on ruminal methanogenesis and metagenomic functional profiles in vitro. *Microbiol Spectr* 0:e03942-23. <https://doi.org/10.1128/spectrum.03942-23>
2. Naithani, H., Rios-Galicia, B., **Camarinha Silva, A.**, Seifert, J. 2024. Strategies to Enhance Cultivation of Anaerobic Bacteria from Gastrointestinal Tract of Chicken. *J. Vis. Exp.* 10;(207). doi: 10.3791/66570. PMID: 38801259.
3. Sarpong N, Seifert J, Bennewitz J, Rodehutsord M, **Camarinha-Silva A**. 2024 Microbial signatures and enterotype clusters in fattening pigs: implications for nitrogen utilization efficiency. *Frontiers in Microbiology* 15. doi: 10.3389/fmicb.2024.1354537
4. Schmid M, Weishaar R, Seifert J, **Camarinha-Silva A**, Rodehutsord M, Bennewitz J. 2024. Genomic analyses of nitrogen utilization efficiency, its indicator trait blood urea nitrogen and the relationship to classical growth performance and feed efficiency traits in a Landrace × Piétrain crossbred population. *Journal of animal breeding and genetics* doi: 10.1111/jbg.12864
5. Guilherme-Fernandes J, Aires T, Fonseca AJM, Yergaliyev T, **Camarinha-Silva A**, Lima SAC, Maia MRG, Cabrita ARJ. 2024. Squid meal and shrimp hydrolysate as novel protein sources for dog food. *Frontiers Veterinary Sciences*. 11:1360939. doi: 10.3389/fvets.2024.1360939
6. Brandt A, Csarman K, Hernández-Arriaga A, Baumann A, Staltner R, Halilbasic E, Trauner M, **Camarinha-Silva A**, Bergheim I. 2024. Antibiotics attenuate diet-induced nonalcoholic fatty liver disease without altering intestinal barrier dysfunction. *Journal Nutrition Biochemistry*. 123:109495. doi: 10.1016/j.jnutbio.2023.109495
7. Rios-Galicia B, Sáenz JS, Yergaliyev T, Roth C, **Camarinha-Silva A***, Seifert J*. 2024. Novel taxonomic and functional diversity of eight bacteria from the upper digestive tract of chicken. *International Journal of Systematic and Evolutionary Microbiology* 74 (1). doi: 10.1099/ijsem.0.006210
8. Brandt A, Hernández-Arriaga A, Yergaliyev T, Nier A, Halilbasic E, Trauner M, **Camarinha-Silva A**, Bergheim I. 2024. Short-term intake of fiber-rich oat bran but not spelt bran flake mix lowers bacterial endotoxin levels and improves health parameters in healthy, normal weight, young to middle-aged women. *Journal of Functional Foods* 112. doi: 10.1016/j.jff.2023.105929
9. Jaeger JW, Brandt A, Gui W, Yergaliyev T, Hernández-Arriaga A, Marutha Muthu M, Edlund K, Elashy A, Molinaro A, Möckel D, Sarges J, Halilbasic E, Trauner M, Kahles F, Rolle-Kampczyk U, Hengstler J, Schneider CV, Lammers T, Marschall HU, Bergen M, **Camarinha-Silva A**, Bergheim I, Trautwein C, Schneider KM. 2024. Microbiota modulation by dietary oat beta-glucan prevents steatotic liver disease progression. *JHEP Reports* 100987. doi: 10.1016/j.jhepr.2023.100987

2023

10. Dahl SA, Seifert J, **Camarinha-Silva A**, Cheng YC, Hernández-Arriaga A, Hudler M, Windisch W, König A. 2023. Microbiota and nutrient portraits of european roe deer (*Capreolus capreolus*) rumen contents in characteristic southern german habitats. *Microbial Ecology* doi: 10.1007/s00248-023-02308-5

11. Rajcic D, Kromm F, Hernandez-Arriaga A, Brandt A, Baumann A, Staltner R, **Camarinha-Silva A**, Bergheim I. 2023. Supplementing L-Citrulline can extend lifespan in *C. elegans* and attenuate the development of aging-related impairments of glucose tolerance and intestinal barrier in mice. *Biomolecules* 13(11), 1579. doi:10.3390/biom13111579
12. Avila Santos AP, Kabiru Nata'ala M, Coelho Kasmanas J, Bartholomäus A, Keller-Costa T, Jurburg SD, Tal T, **Camarinha-Silva A**, Saraiva JP, Carvalho A, Stadler PF, Sanches DS, Rocha U. 2023. The AnimalAssociatedMetagenomeDB reveals a bias towards livestock and developed countries and blind spots in functional-potential studies of animal-associated microbiomes. *Animal Microbiome* doi: 10.1186/s42523-023-00267-3
13. Cabrita ARJ, Guilherme-Fernandes J, Spinola M, Maia MRG, Yergaliyev T, **Camarinha-Silva A**, Fonseca AJM. 2023. Effects of microalgae as dietary supplement on palatability, digestibility, fecal metabolites, and microbiota in healthy dogs. *Frontiers Veterinary Sciences* 10 doi: 10.3389/fvets.2023.1245790
14. Berghaus D, Haese E, Weishaar R, Sarpong N, Kurz A, Seifert J, **Camarinha-Silva A**, Bennewitz J, Chillon T, Stefanski V, Rodehutscord M. 2023. Nitrogen and lysine utilization efficiencies, protein turnover, and blood urea concentrations in crossbred grower pigs at marginal dietary lysine concentration. *Journal of Animal Science* skad335 doi: 10.1093/jas/skad335
15. Dahl SA, Seifert J, **Camarinha-Silva A**, Hernández-Arriaga A, Windisch W, König A. 2023. "Get the best out of what comes in" – adaptation of the microbiota of chamois (*Rupicapra rupicapra*) to seasonal forage availability in the Bavarian Alps. *Frontiers Microbiology* 14 doi: 10.3389/fmicb.2023.1238744
16. Galicia BR, Saéñz JS, Yergaliyev T, **Camarinha-Silva A**, Seifert J. 2023. Host specific adaptations of *Ligilactobacillus aviarius* to poultry. *Current Research in Microbial Sciences* doi: 10.1016/j.crmicr.2023.100199
17. Brandt A, Kromm F, Hernández-Arriaga A, Sánchez IM, Bozkir HO, Staltner R, Baumann A, **Camarinha-Silva A**, Heijtz RD, Bergheim I. 2023. Cognitive alterations in old mice are associated with intestinal barrier dysfunction and induced toll-like receptor 2 and 4 signaling in different brain regions. *Cells* 2023, 12, 2153 doi: 10.3390/cells12172153
18. Klein N, Sarpong N, Melzer T, Feuerstein D, Heyer CME, **Camarinha-Silva A**, Rodehutscord M. 2023. Effect of dietary calcium concentration and exogenous phytase on inositol phosphate degradation, mineral digestibility, and gut microbiota in growing pigs. *Journal of Animal Science* 101 skad254 doi: 10.1093/jas/skad254
19. Amin N, Schwarzkopf S, Tröscher-Mußotter J, **Camarinha-Silva A**, Dänicke S, Huber K, Frahm J, Seifert J. 2023. Host metabolome and faecal microbiome shows potential interactions impacted by age and weaning times in calves. *Animal Microbiome*. 5. 12. doi: 10.1186/s42523-023-00233-z
20. Lazzari G, Münger A, Eggerschwiler L, Borda-Molina D, Seifert J, **Camarinha-Silva A**, Schrade S, Zähler M, Zeyer K, Kreuzer M, Dohme-Meier F 2023. Effects of *Acacia mearnsii* added to silages differing in nutrient composition and condensed tannins on ruminal and manure-derived methane emissions of dairy cows. *Journal of Dairy Science* 106 doi: 10.3168/jds.2022-22901
21. Haas V, Rodehutscord M, **Camarinha-Silva A**, Bennewitz J (2023) Inferring causal structures of gut microbiota diversity and feed efficiency traits in poultry using Bayesian learning and genomic structural equation models. *Journal of Animal Science* doi:10.1093/jas/skad044
22. Lazzari G, Münger A, Heimo D, Seifert J, **Camarinha-Silva A**, Borda-Molina D, Zähler M, Schrade S, Kreuzer M, Dohme-Meier F (2023) Effects of tanniferous sainfoin and *Acacia mearnsii* extract on urinary N excretion and ammonia volatilization from the slurry of dairy cows. *Animal Feed Science and Technology* 297 doi: 10.1016/j.anifeedsci.2023.115577
23. Ponsuksili S, Hadlich F, Perdomo-Sabogal A, Reyer H, Oster M, Trakooljul N, Iqbal MA, Schmucker S, Stefanski V, Roth C, **Camarinha-Silva A**, Huber K, Sommerfeld V, Rodehutscord M, Wimmers K. The dynamics of molecular, immune and physiological features of the host and the gut

microbiome, and their interactions before and after onset of laying in two hen strains (2023) *Poultry Science* 102256, doi:10.1016/j.psj.2022.102256

2022

24. Tröscher-Mußotter J, Deusch S, Borda-Molina D, Frahm J, Dänicke S, **Camarinha-Silva A**, Huber K and Seifert J (2022) Cow's microbiome from antepartum to postpartum: A long-term study covering two physiological challenges. *Frontiers in Microbiology* 13:1000750. doi: 10.3389/fmicb.2022.1000750
25. Brandt A, Baumann A, Hernandez-Arriaga A, Jung F, Nier A, Staltner R, Rajcic D, Schmeer C, Witte OW, Wessner B, Franzke B, Wagner K-H, **Camarinha-Silva A**, Bergheim I (2022). Impairments of intestinal arginine and NO metabolisms trigger aging-associated intestinal barrier dysfunction and 'inflammaging' *Redox Biology* 102528, doi:10.1016/j.redox.2022.102528
26. Roth C, Sims T, Rodehutschord M, Seifert J, **Camarinha-Silva A**. The active core microbiota of two high-yielding laying hen breeds fed with different levels of calcium and phosphorus (2022) *Frontiers in Physiology*, doi: 10.3389/fphys.2022.951350
27. Künzel S, Yergaliyev T, Wild KJ, Philippi H, Petursdottir AH, Gunnlaugsdottir H, Reynolds CK, Humphries DJ, **Camarinha-Silva A**, Rodehutschord M (2022) Methane reduction potential of brown seaweeds and their influence on nutrient degradation and microbiota composition in a rumen simulation technique. *Frontiers in Microbiology* 13: doi:10.3389/fmicb.2022.889618
28. Iqbal MA, Reyer H, Oster M, Hadlich F, Trakooljul N, Perdomo-Sabogal A, Schmucker S, Stefanski V, Roth C, **Camarinha-Silva A**, Huber K, Sommerfeld V, Rodehutschord M, Wimmers K, Ponsuksili S (2022) Multi-omics reveals different strategies in the immune and metabolic systems of high-yielding strains of laying hens. *Frontiers in Genetics* 13: doi:10.3389/fgene.2022.858232
29. Haas V, Vollmar S, Preuß S, Rodehutschord M, **Camarinha-Silva A**, Bennewitz J (2022) Composition of the ileum microbiota is a mediator between the host genome and phosphorus utilization and other efficiency traits in Japanese quail (*Coturnix japonica*). *Genetics Selection Evolution* 54:1 20 doi: 10.1186/s12711-022-00697-8

2021

30. Tröscher-Mußotter JB, Saenz JS, Grindler S, Meyer J, Kononov SU, Mezger B, Borda-Molina D, Frahm J, Daenicke S, **Camarinha-Silva A**, Huber K, Seifert J (2021) Microbiome clusters disclose physiologic variances in dairy cows challenged by calving and lipopolysaccharides. *mSystems* 6:5 e0085621. doi: 10.1128/mSystems.00856-21
31. Baumann A, Nier A, Hernández-Arriaga A, Brandt A, Lorenzo Pisarello, MJ, Jin CJ, Pilar E, Camarinha-Silva A, Schattenberg JM, Bergheim I (2021). Toll-like receptor 1 as a possible target in non-alcoholic fatty liver disease. *Scientific Reports*, 11(1), 17815. doi:10.1038/s41598-021-97346-9
32. Siegert W, Krieg J, Sommerfeld V, Borda-Molina D, Feuerstein D, **Camarinha-Silva A**, Rodehutschord M (2021). Phytase supplementation effects on amino acid digestibility in broiler chickens are influenced by dietary calcium concentrations but not by acid-binding capacity. *Current Developments in Nutrition* nzab103. doi:10.1093/cdn/nzab103
33. Amin N, Schwarzkopf S, Kinoshita A, Tröscher-Mußotter J, Dänicke S, **Camarinha-Silva A**, Huber K, Frahm J, Seifert J. (2021) Evolution of rumen and oral microbiota in calves is influenced by age and time of weaning. *Animal Microbiome* 3(1):31. doi: 10.1186/s42523-021-00095-3.
34. Baumann A, Hernández-Arriaga A, Brandt A, Sánchez V, Nier A, Jung F, Kehm R, Höhn A, Grune T, Frahm C, Witte OW, **Camarinha-Silva A***, Bergheim I*" Microbiota profiling in aging-associated

inflammation and liver degeneration International Journal of Medical Microbiology 311(4): 151500
doi: 10.1016/j.ijmm.2021.151500

35. Borda-Molina D, Iffland H, Schmid M, Müller R, Schad S, Seifert J, Tetens J, Bessei W, Bennewitz J, **Camarinha-Silva A** (2021) "Gut microbial composition and predicted functions are not associated with feather pecking and antagonistic behavior in laying hens" Life 11(3):235. doi:10.3390/life11030235
36. Borda-Molina D, Mátis G, Mackei M, Neogrady Z; Huber K, Seifert J, **Camarinha-Silva A** (2021) "Caeca microbial variation in broiler chickens as a result of dietary combinations using two cereal types, supplementation of crude protein and sodium butyrate" Frontiers in Microbiology 11(3453). doi:10.3389/fmicb.2020.617800
37. Künzel S, Borda-Molina D, Zuber T, Hartung J, Siegert W, Feuerstein D, **Camarinha-Silva A**, Rodehutschord M (2021) "Relative phytase efficacy values as affected by response trait including ileal microbiota composition" Poultry Science 100(6), 101133. doi:10.1016/j.psj.2021.101133
38. Ponsuksili S, Oster M, Reyer H, Hadlich F, Trakooljul N, Rodehutschord M, **Camarinha-Silva A**, Bennewitz J and Wimmers K (2021) "Genetic regulation and heritability of miRNA and mRNA expression link to phosphorus utilization and gut microbiome" Open Biology 11(2):200182. doi:10.1098/rsob.200182
39. Krieg J; Borda-Molina D; Siegert W; Sommerfeld V; Chi HP; Taheri HR; Feuerstein D; **Camarinha-Silva A**; Rodehutschord M (2021) "Effects of calcium level and source, acidification, and phytase on phytate degradation and the microbiota in the digestive tract of broiler chickens" Animal Microbiome 15:3(1):23. doi: 10.1186/s42523-021-00083-7
40. Rajčić D, Baumann A, Hernández-Arriaga A, Brandt A, Nier A, Jin CJ, Sanchez V, Jung F, **Camarinha-Silva A**, Bergheim I (2021) " Citrulline supplementation attenuates the development of non-alcoholic steatohepatitis in female mice through mechanisms involving intestinal arginase" Redox Biology 41:101879. doi:10.1016/j.redox.2021.101879

2020

41. Sommerfeld V, Omotoso, AO, Oster, M, Reyer H, **Camarinha-Silva A**, Hasselmann M, Huber K, Ponsuksili S, Seifert J, Stefanski V, Wimmers K, Rodehutschord M (2020) "Phytate Degradation, Transcellular Mineral Transporters, and Mineral Utilization by Two Strains of Laying Hens as Affected by Dietary Phosphorus and Calcium" Animals 10, 1736. doi:10.3390/ani10101736
42. Sommerfeld V, Huber K, Bennewitz J, **Camarinha-Silva A**, Hasselmann M, Ponsuksili S, Seifert J, Stefanski V, Wimmers K, Rodehutschord M (2020) "Phytate degradation, myo-inositol release, and utilization of phosphorus and calcium by two strains of laying hens in five production periods" Poultry Science. doi: 10.1016/j.psj.2020.08.064
43. Borda-Molina D, Roth C, Hernández-Arriaga A, Rissi D, Vollmar S, Rodehutschord M, Bennewitz J, **Camarinha-Silva A**. (2020) "Effects on the Ileal Microbiota of Phosphorus and Calcium Utilization, Bird Performance, and Gender in Japanese Quail" Animals 10, 885. doi: 10.3390/ani10050885
44. Vollmar S, Wellmann R, Borda-Molina D, Rodehutschord M, **Camarinha-Silva A** and Bennewitz J (2020). "The Gut Microbial Architecture of Efficiency Traits in the Domestic Poultry Model Species Japanese Quail (*Coturnix japonica*) Assessed by Mixed Linear Models" G3: Genes, Genomes, Genetics. doi: 10.1534/g3.120.401424
45. Ponsuksili S, Reyer H, Hadlich F, Weber F, Trakooljul N, Oster M, Siengdee P, Muráni E, Rodehutschord M, **Camarinha-Silva A**, Bennewitz J, Wimmers K. (2020) "Identification of the key molecular drivers of phosphorus utilization based on host miRNA-mRNA and gut microbiome interactions" International Journal of Molecular Sciences 21(8), 2818. doi: 10.3390/ijms21082818
46. Weishaar R, Wellmann R, **Camarinha-Silva A**, Rodehutschord M, Bennewitz J (2020) "Selecting the hologenome to breed for an improved feed efficiency in pigs-A novel selection index "Journal of Animal Breeding and Genetics 137:14-22. doi: 10.1111/jbg.12447

2019

47. Hernández-Arriaga A, Baumann A, Witte OW, Frahm C, Bergheim I, **Camarinha-Silva A**. (2019) Changes in oral microbial ecology of C57BL/6 mice at different ages associated with sampling methodology. *Microorganisms*, 7(9), 283. doi: 10.3390/microorganisms7090283
48. Künzel S, Borda-Molina D, Kraft R, Sommerfeld V, Kühn I, **Camarinha Silva A**, Rodehutschord M (2019) "Impact of coccidiostat and phytase supplementation on gut microbiota composition and phytate degradation in broiler chickens" *Animal Microbiome* 2:1. doi: 10.1186/s42523-019-0006-2
49. Brandt A, Hernández-Arriaga A, Kehm R, Sánchez V, Jin CJ, Nier A, Baumann A, **Camarinha-Silva A** and Bergheim I (2019). "Metformin attenuates the onset of non-alcoholic fatty liver disease and affects intestinal microbiota and barrier in small intestine." *Scientific Reports* 9(1): 6668. doi:10.1038/s41598-019-43228-0
50. Pineda-Quiroga C, Borda-Molina D, Chaves-Moreno D, Ruiz R, Atxaerandio R, **Camarinha-Silva A**, García-Rodríguez A (2019). "Microbial and Functional Profile of the Ceca from Laying Hens Affected by Feeding Prebiotics, Probiotics, and Synbiotics." *Microorganisms* 7(5): 123. doi: 10.3390/microorganisms7050123
51. Borda-Molina D, Zuber T, Siegert W, **Camarinha-Silva A**, Feuerstein D, Rodehutschord M (2019). "Effects of protease and phytase supplements on small intestinal microbiota and amino acid digestibility in broiler chickens." *Poultry Science* 97(7):2906-2918. doi: 10.3382/ps/pez038

2018

52. Borda-Molina D, Seifert J, **Camarinha-Silva A**. (2018). "Current perspectives of the chicken gastrointestinal tract and its microbiome." *Computational and Structural Biotechnology Journal* 16: 131-139. doi: 10.1016/j.csbj.2018.03.002
53. Trautvetter U, **Camarinha-Silva A**, Jahreis G, Lorkowski S, Gleis M. (2018). "High phosphorus intake and gut-related parameters - results of a randomized placebo-controlled human intervention study." *Nutrition Journal* 17(1): 23. doi: 10.1186/s12937-018-0331-4

2017

54. Burbach K, Strang EJP, Mosenthin R, **Camarinha-Silva A**, Seifert J. (2017) Porcine intestinal microbiota is shaped by diet composition based on rye or triticale. *Journal of Applied Microbiology* 123(6):1571-1583. doi: 10.1111/jam.13595
55. Tilocca B, Burbach K, Heyer CME, Hoelzle LE, Mosenthin R, Stefanski V, **Camarinha-Silva A** Seifert J (2017). "Dietary changes in nutritional studies shape the structural and functional composition of the pigs' fecal microbiome—from days to weeks." *Microbiome* 5(1): 144. doi: 10.1186/s40168-017-0362-7
56. Pineda-Quiroga C, **Camarinha-Silva A**, Borda-Molina D, Atxaerandio R, Ruiz R, García-Rodríguez A. (2017) Feeding broilers with dry whey powder and whey protein concentrate affected productive performance, ileal digestibility of nutrients and cecal microbiota community. *Animal*, 1-9. doi: 10.1017/S1751731117002208
57. Pineda-Quiroga C, **Camarinha-Silva A**, Atxaerandio R, Ruiz R, García-Rodríguez A. (2017) Changes in broiler performance, duodenal histomorphometry, and caeca microbiota composition in response to wheat-barley based diets supplemented with non-antibiotic additives. *Animal Feed Science and Technology* 234:1-9. doi: 10.1016/j.anifeedsci.2017.09.002
58. Deusch S, **Camarinha-Silva A**, Conrad J, Beifuss U, Rodehutschord M, Seifert J. (2017) A structural and functional elucidation of the rumen microbiome influenced by various diets and microenvironments. *Frontiers in Microbiology* 8(1605). doi: 10.3389/fmicb.2017.01605
59. **Camarinha-Silva A***, Maushammer M*, Wellmann R, Vital M, Preuss S, Bennewitz J. (2017). Host genome influence on gut microbial composition and microbial prediction of complex traits in pigs. *Genetics* 206(3): 1637. doi: 10.1534/genetics.117.200782
60. Kaewtapee C, Burbach K, Tomforde G, Hartinger T, **Camarinha-Silva A**, Heinritz S, Seifert J, Wiltafsky M, Mosenthin R, Rosenfelder-Kuon P. (2017) Effect of *Bacillus subtilis* and *Bacillus*

licheniformis supplementation in diets with low- and high-protein content on ileal crude protein and amino acid digestibility and intestinal microbiota composition of growing pigs. *Journal of Animal Science and Biotechnology* 8, 37. doi: 10.1186/s40104-017-0168-2

61. Duarte M, Nielsen A, **Camarinha-Silva A**, Vilchez-Vargas R, Bruls T, Wos-Oxley ML, Jauregui R, Pieper DH. (2017) Functional soil metagenomics: elucidation of polycyclic aromatic hydrocarbon degradation potential following 12 years of in situ bioremediation. *Environmental Microbiology* 19(8):2992-3011. doi: 10.1111/1462-2920.13756

2016

62. Borda-Molina D, Vital M, Sommerfeld V, Rodehutscord M, **Camarinha-Silva A**. (2016). Insights into broilers' gut microbiota fed with phosphorus, calcium and phytase supplemented diets. *Frontiers in Microbiology* 7:2033. doi:10.3389/fmicb.2016.02033
63. Heinritz SN, Weiss E, Eklund M, Aumiller T, Louis S, Rings A, Messner S, **Camarinha-Silva A**, Seifert J, Bischoff SC, Mosenthin R. (2016) Intestinal Microbiota and Microbial Metabolites Are Changed in a Pig Model Fed a High-Fat/Low-Fiber or a Low-Fat/High-Fiber Diet. *PLoS One*, 11(4):e0154329. doi: 10.1371/journal.pone.0154329
64. Lima-Morales D, Jáuregui R, **Camarinha-Silva A**, Geffers R, Pieper DH, Vilchez-Vargas R. (2016) Linking microbial community and catabolic gene structures during the adaptation of three contaminated soils under continuous long term pollutant stress. *Applied and Environmental Microbiology* 82(7):2227-2237. doi:10.1128/AEM.03482-15
65. Milici M, Tomasch J, Wos-Oxley ML, Wang H, Jáuregui R, **Camarinha-Silva A**, Deng Z.-L., Plumeier I, Giebel, H-A, Wurst, M, Pieper, DH, Simon, M, Wagner-Döbler, I. (2016) Low diversity of planktonic bacteria in the tropical ocean. *Scientific Reports*, 6, 19054. doi: 10.1038/srep19054
66. Witzig M*, **Camarinha-Silva A***, Green-Engert R, Hoelzle K, Zeller E, Seifert J, Hoelzle LE, Rodehutscord M. (2015) Spatial variation of the gut microbiota in broiler chickens as affected by dietary available phosphorus and assessed by T-RFLP analysis and 454 pyrosequencing. *Plos One* 10(11): e0143442. doi: 10.1371/journal.pone.0145588

2015

67. Burbach K, Seifert J, Pieper DH, **Camarinha-Silva A**. (2015) Evaluation of DNA extraction kits and phylogenetic diversity of the porcine gastrointestinal tract based on Illumina sequencing of two hypervariable regions. *MicrobiologyOpen* 5(1):70-82. doi: 10.1002/mbo3.312
68. Deusch S, Tilocca B, **Camarinha-Silva A**, Seifert J. (2015) News in livestock research - use of Omics-technologies to study the microbiota in the gastrointestinal tract of farm animals. *Computational and Structural Biotechnology Journal* 13: 55-63. doi: 10.1016/j.csbj.2014.12.005

Later than 2014

69. **Camarinha-Silva A**, Chaves, D, Jáuregui, R, Schaumburg, F, Becker K, Wos-Oxley, ML, Pieper, DH. (2014) Comparing the anterior nares bacterial community of two discrete human populations using Illumina amplicon sequencing. *Environmental Microbiology* 16: 2939-2952. doi: 10.1111/1462-2920.12362
70. **Camarinha-Silva A**, Jáuregui R, Pieper DH, Wos-Oxley ML. (2012) The temporal dynamics of bacterial communities across human anterior nares. *Environmental Microbiology Reports* 4: 126-132. doi: 10.1111/j.1758-2229.2011.00313.x
71. **Camarinha-Silva A** Wos-Oxley ML, Jáuregui R, Becker K, Pieper DH. (2012) Validating T-RFLP as a sensitive and high-throughput approach to assess bacterial diversity patterns in human anterior nares. *FEMS Microbiology Ecology* 79: 98-108. doi: 10.1111/j.1574-6941.2011.01197.x
72. Kotsyurbenko OR, **Silva A**, Glagolev MV. (2008) Methanogenic microbial community from the peat bog Chistoe (West Siberia): preliminarily data and perspectives. *Transactions of UNESCO department of Yugorsky state university "Dynamics of environment and global climate change". Vol. 1 / Glagolev M.V., Lapshina E.D. (eds.). - Novosibirsk: NSU. 2008, 139-143.*

Book chapter

1. **Camarinha-Silva A.**, Fricke W.F. (2018) Molecular Microbiome Analysis. In: Haller D. (eds) The Gut Microbiome in Health and Disease. Springer, Cham

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