Curriculum Vitae

Prof. Dr. Stephan Neumann

Dipl. ECVCP; German Specialist for Small Animal Medicine and Clinical Pathology

Business Address

Small Animal Clinic, Institute of Veterinary Medicine

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Date of birth: 14 April 1964

Curriculum

After studying veterinary medicine at the University of Veterinary Medicine Hannover and spending a short period in private practice, I began my career at the Institute of Veterinary Medicine at the University of Goettingen in 1992.
In 1996, I received my national specialist diploma in companion animals, and in 1998, my specialist diploma in veterinary clinical pathology.
In 2004, I became a Diplomate of the ECVCP.
Since 2010, I have been a Professor at the University of Goettingen.

My paraclinical fields of interest include clinical pathology, biomarker research, and disease mechanisms.
My clinical interests focus on orthopaedics and gastroenterology, with a particular emphasis on hepatology.

I am

- President of the European Society of Veterinary Clinical Pathology (ESVCP)
- Vice President of FECAVA
- Vice President of the Veterinary Chamber of Lower Saxony
- Board Member of the German Small Animal Veterinary Association (GSAVA)
- Member of InnLab, the CT User Society, and the GSAVA Working Groups "Gastroenterology" and "Oncology"

Scientific work:

Author or Coauthor of three veterinary textbooks
Author or Coauthor of 100 publications in international peer reviewed journals
Speaker on national and international congresses with more than 150 lectures

Books

- Author of the textbook *Small Animal Pathophysiology*, Wiley, 2024
- Coauthor of the textbook *Kleintieronkologie*, edited by M. Kessler, Thieme, 2022
- Coauthor of the textbook *Klinische Labordiagnostik in der Tiermedizin*, edited by A. Moritz, Schattauer, 2013

Selected Publications:

Neumann, S. (2025): Serum Concentrations of Insulin-like Growth Factor-1 (IGF-1), 26S Proteasome (26S PSM), and 3-Methylhistidine (3-MH) in Cats with Hypertrophic Cardiomyopathy. Animals 2025, 15,1437. https://doi.org/10.3390/ani15101437

Rösch, S., Estaller, A.K., Oechtering, G., Neumann, S. (2025).
Diagnostic value of serum survivin, Ki-67 and thymidine-kinase in dogs with nasal cavity disease. Front. Vet. Sci. doi: 10.3389/fvets.2025.1553551

Sander, C., S. Neumann (2024). Develpment of a lateral flow assay for rapid detection of parasitic nematodes. IJID One Health, https://doi.org/10.1016/j.ijidoh.2024.100040

Neumann, S., Siegert, S. (2024). Investigation of α-Klotho concentrations in serum of cats affected by hypertrophic cardiomyopathy. Vet. Sci., 11, 184

Rösch S., Woitas J., Neumann S., Alef M., Kiefer I., Oechtering G. (2024). Diagnostic benefits of platelet-to-lymphocyte, neutrophil-to-lymphocyte, and albumin-to-globulin ratios in dogs with nasal cavity diseases. BMC Vet Res. 2024 Feb 3;20(1):44. doi: 10.1186/s12917-024-03876-5. PMID: 38310231; PMCID: PMC10837884.

Neumann, S., Siegert, S., Fischer, A. (2023). Procalcitonin as an endogenous biomarker for mastitis in cows. Animals 2023, 13, 2204; doi.org/10.3390/ani13132204

Neumann, S., Siegert, S., Fischer, A. (2023). Defensin-4 as an endogenous biomarker in cows with mastitis. Front. Vet. Sci. 10:1154386. doi: 10.3389/fvets.2023.1154386

Estaller, A., Kessler, M., Wehrend, A., Hirschberger, J., Neumann, S. (2022): Utility of Serum Ki-67 as a Marker for Malignancy in Dogs. Animals, 12, 1263. https://doi.org/10.3390/ani12101263

Neumann S, Steingraeber L, Herold L (2022). Investigation of procalcitonin and defensin-ß-2 in serum and feces of dogs with acute diarrhea. Vet. Clin. Path. 2022;00:1–8. doi:10.1111/vcp.13099

Estaller A, Kessler M, Wehrend A, Gessler F, Hirschberger J, Neumann S (2021). Investigation of serum survivin in dogs suffering from cancer: a multicenter study. J Vet Sci. 2021;22:e79. https://doi.org/10.4142/jvs.2021.22.e79

Neumann, S. (2021): Neutrophil-to-lymphocyte and platelet-to-lymphocyte ratios in dogs and cats with acute pancreatitis. Vet. Clin. Path. DOI: 10.1111/vcp.12979

Neumann, Stephan, Lauenstein Sarah (2018): Evaluation of transforming growth factor beta 1 in dogs with osteoarthritis. Open Veterinary Journal 8(4): 386-392.

Gerke, I., F.-J. Kaup, S. Neumann (2018): Evaluation of serum insulin-like growth factor-1 and 26S proteasome concentrations in healthy dogs and dogs with chronic diseases depending on body condition score Res. Vet. Sc. 118, 484-490.

Gerke, I., F.-J. Kaup, S. Neumann (2017): Measurement of 26S proteasome and insulin-like growth factor-1 in serum of dogs suffering from malignant tumours Can. J. Vet. Res. 82(2), 115-123.

Neumann, S., Linek, J., Loesenbeck, G., Schüttler, J., Gaedke, S. (2017): TGF-ß1 serum concentrations and receptor expressions in the lens capsular of dogs with diabetes mellitus. Open Vet. J. 7(1), 12-15.

Neumann, S., Schuettler, J., Frenz,M., Kaup, F.J., Gessler, F. (2017): Investigation of serum Ki-67 as a biomarker in tumor bearing dogs. Res. Vet. Sc. 116, 16-21.

Fischer, S., Bauernfeind, R., Czerny, C.P., Neumann, S. (2016): Serum Il-6 as a Prognostic Marker in Neonatal Calf Diarrhea. J. Diary Sci., 99(8), 6563-6571.

Haas, M., Kaup, F-J-, Neumann, S. (2015): Evaluation of Serum Interleukin-8 (CXCL-8) Concentrations in Tumor Bearing Dogs. Am. J. Anim. Vet. Sci. 10(4), 202-221.

Haas, M., Kaup, F-J., Neumann S. (2015): Canine pyometra: a model for the analysis of serum CXCL8 during inflammation. J. Vet. Med. Sci. http://doi.org/10.1292/jvms.15-0415

Schüttler, J., Neumann S. (2015): Interleukin-6 as a prognostic marker in dogs in an intensive care unit. Veterinary Clinical Pathology 44, 223-228.

Frenz, M., Kaup, F.J., Neumann, S. (2013): Serum vascular endothelial growth factor in dogs with haemangiosarcoma and haematoma. Research in Veterinary Science, Res Vet Sci. 2014 Aug 27. pii: S0034-5288(14)00232-X. doi: 10.1016/j.rvsc.2014.08.005.

Prachar, C., Kaup, FJ., Neumann, S. (2013): Interleukin-1 beta (IL-1β) in the peripheral blood of dogs as a possible marker for the detection of early stages of inflammation. Open J of Vet Med 3, 302-308

Prachar, C., Kaup, FJ., Neumann, S. (2013): Soluble Interleukin 2 Receptor-Alpha (sIL-2Rα) in the peripheral blood of dogs – Comparison of malignant neoplasia with other diseases. Open J of Vet Med, 3, 176-183