

Professional Career of Prof. Dr. Michael Mähler

- 1984 – 1989 Study of veterinary medicine
School of Veterinary Medicine Hannover, Germany
- 1990 Veterinary license
- 1991 Research assistant
Institute for Laboratory Animal Science and Central Animal Facility,
Hannover Medical School, Germany
- 1991 Degree of doctor ("Dr. med. vet.")
- 1991 – 1995 Research staff member
Institute for Laboratory Animal Science and Central Animal Facility,
Hannover Medical School, Germany
- 1994 Lower Saxony board certification as specialist ("Fachtierarzt") in laboratory animal science
- 1995 – 1997 Postdoctoral research fellow
Laboratory Animal Health Service Division, The Jackson Laboratory,
Bar Harbor, USA
- 1997 – 2003 Research staff member and head of the microbiological diagnostic service
Institute for Laboratory Animal Science and Central Animal Facility,
Hannover Medical School, Germany
- 2001 Diplomate of the European College of Laboratory Animal Medicine (ECLAM)
- 2002 Postdoctoral lecture qualification ("Habilitation") for laboratory animal science
- 2002 – 2009 Associate professor ("Privatdozent")
Hannover Medical School, Germany
- 2003 – 2009 Teaching assignment
School of Veterinary Medicine Hannover, Germany
- 2003 – 2004 Staff member of Biomedical Diagnostics (BioDoc), Hannover, Germany
- Since 2004 Owner and managing director of BioDoc, Hannover, Germany
- Since 2009 Adjunct professor ("Außerplanmäßiger Professor")
Hannover Medical School, Germany

Professional Memberships

- German Society of Laboratory Animal Science (GV-SOLAS)
- European College of Laboratory Animal Medicine (ECLAM)
- European Society of Laboratory Animal Veterinarians (ESLAV)

Participation in Professional Organisations

- Member of the GV-SOLAS Working Group on Hygiene (convenor 2005 – 2010)
- Member of the ECLAM Credentials Committee

Teaching Activities

- Adjunct Professor at Hannover Medical School
- Lecturer in the Master Program "M.Sc. Laboratory Animal Science" at RWTH Aachen University

Peer Reviewer for Scientific Journals

- Laboratory Animals
- Scandinavian Journal of Laboratory Animal Science

Selected Publications

1. Mähler M, Stünkel S, Ziegowski C, Kunstyr I. 1995. Inefficacy of enrofloxacin in the elimination of *Pasteurella multocida* in rabbits. *Lab. Anim.* 29, 192-199.
2. Herrewegh AAPM, Mähler M, Hedrich HJ, Haagmans BL, Egberink HF, Horzinek MC, Rottier PJM, de Groot RJ. 1997. Persistence and evolution of feline coronavirus in a closed cat-breeding colony. *Virology* 234, 349-363.
3. Mähler M, Sundberg JP. 1997. Spontaneous Leydig cell tumors in inbred laboratory mice. *Lab. Anim. Sci.* 47, 148-152.
4. Mähler M, Bedigian HG, Burgett BL, Bates RJ, Hogan ME, Sundberg JP. 1998. Comparison of four diagnostic methods for detection of *Helicobacter* species in laboratory mice. *Lab. Anim. Sci.* 48, 85-91.
5. Mähler M, Hogan ME, Bedigian HG, Burgett BL, Sundberg JP. 1998. Gastric ulcers in steel-Dickie (*Mgf^{si}/Mgf^{si-d}*) mutant mice are not associated with *Helicobacter* infection. *J. Exp. Anim. Sci.* 38, 159-164.
6. Nicklas W, Homberger FR, Illgen-Wilcke B, Jacobi K, Kraft V, Kunstyr I, Mähler M, Meyer H, Pohlmeier-Esch G. 1999. Implications of infectious agents on results of animal experiments. *Lab. Anim.* 33 (Suppl. 1), 39-87.
7. Mähler M, Jelínek F. 2000. Granulomatous inflammation in the tails of mice associated with *Mycobacterium chelonae* infection. *Lab. Anim.* 34, 212-216.
8. Mähler M, Rozell B, Mahler JF, Merlino G, Devor-Henneman DE, Ward JM, Sundberg JP. 2000. Pathology of the gastrointestinal tract of genetically engineered and spontaneous mutant mice. In: Ward JM, Mahler JF, Maronpot RR, Sundberg JP (eds), *Pathology of genetically engineered mice*. Iowa State University Press, Ames, pp. 269-297.
9. Mähler M, Janke C, Wagner S, Hedrich HJ. 2002. Differential susceptibility of inbred mouse strains to *Helicobacter pylori* infection. *Scand. J. Gastroenterol.* 37, 267-278.
10. Konrad A, Mähler M, Flogerzi B, Kalousek MB, Lange J, Varga L, Seibold F. 2003. Amelioration of murine colitis by feeding a solution of lysed *Escherichia coli*. *Scand. J. Gastroenterol.* 38, 172-179.
11. Bleich A, Köhn I, Glage S, Beil W, Wagner S, Mähler M. 2005. Multiple *in vivo* passages enhance the ability of a clinical *Helicobacter pylori* isolate to colonize the stomach of Mongolian gerbils and to induce gastritis. *Lab. Anim.* 39, 221-229.
12. Bleich A, Mähler M. 2005. Environment as a critical factor for the pathogenesis and outcome of gastrointestinal disease: experimental and human IBD and *Helicobacter*-induced gastritis. *Pathobiology* 72, 293-307.
13. Mähler M, Heidtmann W, Niewiesk S, Gruber A, Fossmark R, Beil W, Hedrich H, Wagner S. 2005. Experimental *Helicobacter pylori* infection induces antral-predominant, chronic active gastritis in hispid cotton rats (*Sigmodon hispidus*). *Helicobacter* 10, 332-344.
14. Müller S, Styner M, Seibold-Schmidt B, Flogerzi B, Mähler M, Konrad A, Seibold F. 2005. Anti-*Saccharomyces cerevisiae* antibody titers are stable over time in Crohn's patients and are not inducible in murine models of colitis. *World J. Gastroenterol.* 11, 6988-6994.

15. Strauch UG, Obermeier F, Grunwald N, Gürster S, Dunger N, Schultz M, Griese DP, Mähler M, Schölmerich J, Rath HC. 2005. Influence of intestinal bacteria on induction of regulatory T cells: lessons from a transfer model of colitis. *Gut* 54, 1546-1552.
16. Janus LM, Mähler M, Köhl W, Smoczek A, Hedrich HJ, Bleich A. 2008. Minute virus of mice: antibody response, viral shedding and persistence of viral DNA in multiple strains of mice. *Comp. Med.* 58, 360-368.
17. Moerth C, Mahabir E, Brielmeier M, Markoullis K, Beisker W, Needham J, Balzer H-J, Bater LE, Bleich A, Deeny A, Dix J, Jacobsen K, Lorenz A, Mähler M, Nicklas W, Phipps JD, Seidel KE, Seidelin M, Toft MF, Tomlinson A, Wilhelm P, Schmidt J. 2008. Evaluation of polymerase chain reaction methods for detection of murine *Helicobacter* in nine diagnostic laboratories. *Lab Anim. (NY)* 37(11), 521-527.
18. Bleich A, Janus L, Mähler M, Nicklas W. 2009. Parvoviruses in mice: a challenge for diagnostics and control. *Proceedings of the Tenth FELASA Symposium and the XIV ICLAS General Assembly & Conference*, pp. 92-94.
19. Bleich A, Janus LM, Smoczek A, Westendorf AM, Strauch U, Mähler M, Hedrich H-J, Fichtner-Feigl S, Schölmerich J, Falk W, Hofmann C, Obermeier F. 2009. CpG motifs of bacterial DNA exert protective effects in mouse models of IBD by antigen-independent tolerance induction. *Gastroenterology* 136, 278-287.
20. Mähler M, Köhl W. 2009. A serological survey to evaluate contemporary prevalence of viral agents and *Mycoplasma pulmonis* in laboratory mice and rats in western Europe. *Lab Anim. (NY)* 38(5), 161-165.
21. Dammann P, Hilken G, Hueber B, Köhl W, Bappert MT, Mähler M. 2011. Infectious microorganisms in mice (*Mus musculus*) purchased from commercial pet shops in Germany. *Lab. Anim.* 45, 271-275.
22. Bleich E-M, Keubler LM, Smoczek A, Mähler M, Bleich A. 2012. Hygienic monitoring of Mongolian gerbils: Which mouse viruses should be included? *Lab. Anim.* 46, 173-175.
23. Mähler M, Nicklas W. 2012. Health management and monitoring. In: Hedrich HJ (ed), *Handbook of Experimental Animals: The Laboratory Mouse* (2nd edn). Elsevier Academic Press, London, pp. 601-620.
24. Nicklas W, Bleich A, Mähler M. 2012. Viral Infections. In: Hedrich HJ (ed), *Handbook of Experimental Animals: The Laboratory Mouse* (2nd edn). Elsevier Academic Press, London, pp. 427-480.
25. Basic M, Keubler LM, Buettner M, Achard M, Breves G, Schröder B, Smoczek A, Jörns A, Wedekind D, Zschemisch NH, Günther C, Neumann D, Lienenklaus S, Weiss S, Hornef MW, Mähler M, Bleich A. 2014. Norovirus triggered microbiota-driven mucosal inflammation in interleukin 10-deficient mice. *Inflamm. Bowel Dis.* 20, 431-443.
26. Mähler M, Berard M, Feinstein R, Gallagher A, Illgen-Wilcke B, Pritchett-Corning K, Raspa M. 2014. FELASA recommendations for the health monitoring of mouse, rat, hamster, guinea pig and rabbit colonies in breeding and experimental units. *Lab. Anim.* 48, 178-192.
27. Häger C, Glage S, Held N, Bleich EM, Burghard A, Mähler M, Bleich A. 2016. Detection of antibodies against Theiler's murine encephalomyelitis virus GDVII strain in experimental guinea pigs. *Lab. Anim.* 50, 400-403.