

Curriculum Vitae

Last name, First name: Dasenbrock, Clemens

Gender: M

Nationality: German

Overall Scientific Expertise:

Dr Clemens Dasenbrock is a trained laboratory animal veterinarian and toxicologist. He has been working in experimental toxicology focussing on inhalation toxicity and carcinogenicity studies. He has experience in testing potential carcinogenic effects of radiofrequency and extremely low frequencies in rodents. In addition, he is active in advisory committees on non-ionizing radiation protection.

Professional Experience

Years employed from - to	Title of position	Employer – name and location	Areas of professional specialisation
2018 - now	Retirement		
2008 -2018	Division director, Toxicology & Environ. Hygiene	Fraunhofer Institute for Toxicology and Experimental Medicine, Hannover, Germany	Experimental toxicology, long-term and genetic effects of radiofrequency and extremely low frequency radiation
2004-2008	Division director, Toxicology II	Boehringer Ingelheim Pharma GmbH & Co. KG, Biberach, Germany	Inhalation toxicology, non-clinical drug development
1998 - 2004	Deputy head, Toxicology	Fraunhofer Institute of Toxicology and Aerosol Research (ITA), Hannover, Germany	Experimental toxicology, carcinogenesis of aerosols, ionizing and non-ionizing radiation in rat and mouse
1991 - 1998	Head, Exp. Animal Lab.	Fraunhofer ITA, Hannover, Germany	Experimental performance of inhalation and feeding studies in rat, mouse, and Syrian hamster
1985 - 1991	Lab. animal veterinarian	Fraunhofer ITA, Hannover, Germany	
1982 - 1984	Assistant	Veterinary practices in Weikersheim and Lilienthal, Germany	Veterinary surgeon in general practice

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
2002	Adjunct Professor	Medizinische Hochschule Hannover, Germany	Experimental oncology
1998	Assistant Professor	Medizinische Hochschule Hannover, Germany	Experimental oncology
1982	Dr. med. vet.	University of Veterinary Medicine (TiHo), Hannover, Germany	Pharmacology and toxicology
1981	State examination	FU Berlin & TiHo Hannover, Germany	Veterinary medicine

Memberships in Scientific Advisory Bodies/Committees/Panels:

2000 - 2004	Member of the Committee on Non-Ionizing Radiation, German Radiation
2008 - 2014	Protection Board (SSK, section A6)
2013 - now	Scientific Council on Electromagnetic Fields, Swedish Radiation Safety Authority

Memberships in Learned Societies:

ECLAM	European College of Laboratory Animal Medicine
ESLAV	European Society of Laboratory Animal Veterinarians (till 2018)
DGPT	German Society of Experimental and Clin. Pharmacol. & Toxicology (till 2018)
GV-SoLAS	Society of Laboratory Animal Science (till 2018)
SOT	Society of Toxicology, USA

List of Publications:

Book chapters: 5, Peer-reviewed articles: 51, Review articles: 1

10 selected publications:

Schuermann, D., C. Ziemann, Z. Barekati, M. Capstick, A. Oertel, F. Focke, M. Murbach, N. Kuster, C. Dasenbrock, P. Schär (2020): Assessment of genotoxicity in human cells exposed to modulated electromagnetic fields of wireless communication devices. *Genes 11*: 347. doi: 10.3390/genes11040347.

Campos-Sanchez, E., C. Vicente-Dueñas, G. Rodríguez-Hernández, M. Capstick, N. Kuster, C. Dasenbrock, I. Sánchez-García, C. Cobaleda (2019): Novel ETV6-RUNX1 mouse model to study the role of ELF-MF in childhood B-acute lymphoblastic leukemia: A pilot study. *Bioelectromagnetics 40*: 343–353.

Schüz, J., C. Dasenbrock, P. Ravazzani, M. Rössli, P. Schär, P. L. Bounds, F. Erdmann, A. Borkhardt, C. Cobaleda, M. Fedrowitz, Y. Hamnerius, I. Sanchez-Garcia, R. Seger, K. Schmiegelow, G. Ziegelberger, M. Capstick, M. Manser, M. Müller, C. D. Schmid, D. Schürmann, B. Struchen, N. Kuster (2016): Extremely low-frequency magnetic fields and risk of childhood leukemia: A risk assessment by the ARIMMORA consortium. *Bioelectromagnetics 37*: 183 -189.

Gong, Y., M. Capstick, C. Dasenbrock, M. Fedrowitz, C. Cobaleda, I. Sánchez-García, N. Kuster (2016): Comparative dosimetry for children and rodents exposed to extremely low-frequency magnetic fields. *Bioelectromagnetics 37*: 310-322.

Tillmann, T., H. Ernst, J. Streckert, Y. Zhou, F. Taugner, V. Hansen, C. Dasenbrock (2010): Indication of cocarcinogenic potential of chronic UMTS-modulated radiofrequency exposure in an ethylnitrosourea mouse model. *Int. J. Radiat. Biol. 86*: 529 – 541.

Ziemann, C., H. Brockmeyer, S. B. Reddy, Vijayalaxmi, T. J. Prihoda, N. Kuster, T. Tillmann, C. Dasenbrock (2009): Absence of genotoxic potential of 902 MHz (GSM) and 1747 MHz (DCS) wireless communication signals: In vivo two-year bioassay in B6C3F1 mice. *International journal of radiation biology, 85*: 454–464.

Tillmann, T., H. Ernst, S. Ebert, N. Kuster, W. Behnke, S. Rittinghausen, C. Dasenbrock (2006): Carcinogenicity study of GSM and DCS wireless communication signals in B6C3F1 mice. *Bioelectromagnetics 28*: 173-187.

Ebert, S., S. Eom, J. Schuderer, U. Apostel, T. Tillmann, C. Dasenbrock, N. Kuster (2005): Response, thermal regulatory threshold and thermal breakdown threshold of restrained RF-exposed mice at 905 MHz. *Phys. Med. Biol. 50*: 5203-5215.

Görlitz, B.D., M. Müller, S. Ebert, H. Hecker, N. Kuster, C. Dasenbrock (2005): Effects of 1-week and 6-week exposure to GSM/DCS radiofrequency radiation on micronucleus formation in B6C3F1 mice. *Radiat. Res. 164*: 431-439.

Dasenbrock, C., T. Tillmann, H. Ernst, W. Behnke, R. Kellner, G. Hagemann, V. Kaefer, M. Kohler, S. Rittinghausen, U. Mohr, L. Tomatis (2005): Maternal effects and cancer risk in the progeny of mice exposed to X-rays before conception. *Exp. Toxic. Pathol. 56*: 351-360.