

Exponent®
Engineering & Scientific Consulting

Kristin Krome, Ph.D.

Senior Managing Scientist | Chemical Regulation and Food Safety
Mannheim
kkrome@exponent.com

Professional Profile

Dr. Kristin Krome has more than 15 years of scientific and regulatory experience with plant protection products. Due to her multifunctional roles in GLP laboratories, research organizations and industry she has a comprehensive understanding of the crop protection market and industry, ranging from product development to sales, with a focus on EU scientific and regulatory requirements and processes.

Prior to joining Exponent, Dr. Krome held the position Director Regulatory Affairs Europe as well as Director Global Science in the Crop Protection Unit at HELM AG. In this role she was responsible for the scientific and regulatory strategy for all European (EU 27 + UK) active substances, products and biostimulants. This included the preparation and submission of the dossiers at national and EU level, commissioning and monitoring new studies, and dealing with all related scientific and regulatory issues. She was closely involved in interactions with all other areas of the crop protection and biostimulant business in order to gain market access as efficiently as possible. Thus, in addition to regulatory support she, for example, also offers support for strategic regulatory decisions, due diligence processes and registration transfers. Dr. Krome works with cross-functional teams to resolve scientific and regulatory queries.

Before starting her managing roles, Dr. Krome worked as an ecotoxicologist (GLP study director, study monitoring, risk assessments) for a GLP lab, a research organization and industry. At the Fraunhofer ITEM she was responsible for the environmental risk assessments of veterinary and human pharmaceuticals. Based on her experience, she still provides scientific advice in the technical and regulatory area of ecotoxicology for pesticides and pharmaceuticals.

Academic Credentials & Professional Honors

Doctorate, Biology, Technische Universitat Darmstadt, 2008

Prior Experience

2008 – 2011: GLP Study Director for terrestrial and water-sediment studies, Dr. U. Noack Laboratorien, Germany

2011 – 2013: Environmental risk assessor for veterinary pharmaceuticals of industrial clients, Fraunhofer ITEM (Institute for Toxicology and Experimental Medicine), Germany

2014 – 2019: Regulatory Ecotoxicologist, HELM AG, Business Unit Crop Protection, Germany

2020 – 2022: Head of Department Regulatory Scientific Assessment, HELM AG, Business Unit Crop Protection, Germany

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2022 – 2024: Director Regulatory Affairs Europe & Director Global Science, HELM AG, Business Unit Crop Protection, Germany

Publications

Kerstin Endlweber, Kristin Krome, Gerhard Welzl, Anton Rudolf Schäffner, Stefan Scheu. Decomposer animals induce differential expression of defence and auxin-responsive genes in plants. June 2011, Soil Biology and Biochemistry, 43(6):1130-1138.

Kristin Krome, Katja Rosenberg, Michael Bonkowski, Stefan Scheu. Grazing of protozoa on rhizosphere bacteria alters growth and reproduction of Arabidopsis thaliana. September 2009, Soil Biology and Biochemistry 41(9).

Katja Rosenberg, Joanne Bertaux, Kristin Krome, Anton Hartmann, Stefan Scheu & Michael Bonkowski. Soil amoeba rapidly change bacterial community composition in Arabidopsis thaliana rhizosphere, March 2009. The ISME Journal, 3(6):675-84.

Krome, K.; Rosenberg, K.; Dickler, C.; Kreuzer, K.; Ludwig-Müller, J.; Ullrich-Eberius, C.; Scheu, S.; Bonkowski, M. Soil bacteria and protozoa affect root branching via effects on the auxin and cytokinin balance in plants. March 2009, Plant and Soil 328(1):191-201.

Kristin Krome, Uwe Kabsch, Jens Aumann. The effect of benzothiadiazole and fungal extracts of Cercospora beticola and Fusarium graminearum on phosphoenolpyruvate carboxylase activity in cucumber leaves, December 2007, Journal of Plant Diseases and Protection -New Series-114(6):250-255.

Presentations

Organizer of Conference: Environmental Risk Assessment of Veterinary Medicinal Products. October 2013.

Additional Education & Training

Participation in several courses of the German Postgraduate Degree Program in Ecotoxicology SETAC/GDCh ´Fachökotoxikologie´