

Work Experience

since 2012	Managing Director, Chief Scientific Officer at <i>Food Packaging Forum Foundation</i> .
2007 – 2012	Environmental Risk Assessment Specialist at <i>Emhart Glass</i> .
2006 – 2007	Post-doctoral scientific associate at the <i>Swiss Federal Institute for Aquatic Science and Technology (Eawag)</i> .
2002 – 2006	Ph.D thesis at the Department for Environmental Toxicology, <i>Eawag</i> : “Molecular scale ecotoxicological testing in developing zebrafish.”
2002 – 2002	Research associate at <i>Eawag</i> , Department of Public Relations.
2000 – 2001	Research associate at <i>Eawag</i>

Education

2009 –2010	Cranfield Award in Business & Leadership at <i>Cranfield University School of Management, UK</i> .
2002 – 2006	Ph.D. at the <i>Swiss Federal Institute of Science and Technology (ETH Zurich)</i> .
1994 – 2000	M.Sc. at the Department for Environmental Science, <i>ETH Zurich</i> .
1994	Abitur at the <i>Elisabeth-von-Thadden Schule</i> in Heidelberg, Germany.

Languages

English	First Language (maternal language)
German	First Language (paternal language)
French	Good knowledge
Italian	Basic knowledge

Professional Memberships

American Chemical Society ACS (full member); *Society for Environmental Toxicology and Chemistry SETAC* (full member); *Society of Toxicology SOT* (full member); *Endocrine Society* (full member)

Peer-Reviewed Publications (selection)

Maffini, MV., Geueke, B., Groh, KJ., Carney Almroth, B., Muncke, J. (2021) “Role of epidemiology in risk assessment: a case study of five ortho-phthalates.” *Environmental Health*.

Muncke, J. (2021) “Tackling the toxics in plastics packaging.” *PLoS Biol* 19(3): e3000961.

Groh, KJ., Geueke, B., Martin, OM., Maffini, MV., Muncke, J. (2021) “Overview of intentionally used food contact chemicals and their hazards.” *Environment International*. 150: 106225.

Muncke, J., Andersson, AM, Backhaus, T. et al. (2020) “Impacts of food contact chemicals on human health: a consensus statement.” *Environmental Health*.19(25).

- Crippa, M., De Wilde, B., Koopmans, R., Leyssens, J., Muncke, J., Ritschkoff A-C., Van Doorselaer, K., Velis, C. & Wagner, M. (2019) "A circular economy for plastics – Insights from research and innovation to inform policy and funding decisions." M. De Smet & M. Linder, Eds. European Commission, Brussels, Belgium.
- Groh, K., Backhaus, T., Carney-Almroth, B., Geueke, B., Inostroza, P. A., Lennquist, A., Maffini, M. V., Leslie, H., Slunge, D., Trasande, L., Warhurst, A. M., Muncke, J. (2019) "Overview of known plastic packaging-associated chemicals and their hazards." *Science of The Total Environment*. 651:3253-3268.
- Ernststoff, A., Niero, M., Muncke, J., Trier, X., Rosenbaum, R.K., Hauschild, M., Fantke, P. (2018) "Challenges of including human exposure to chemicals in food packaging as a new exposure pathway in life cycle impact assessment." *The International Journal of Life Cycle Assessment*. Muncke J., Backhaus T., Geueke, B., Maffini M., Martin O.V., Myers J.P., Soto A.M., Trasande L., Trier X. and M. Scheringer (2017) "Scientific challenges in the risk assessment of food contact materials." *Environmental Health Perspectives*. 125(9), 095001.
- Groh, K., Geueke, B. and J. Muncke (2017). "Food contact materials and gut health: Implications for toxicity assessment and relevance of high molecular weight migrants." *Food Chemistry and Toxicology*. 109: 1-18.
- Groh, K. and J. Muncke (2017) "In vitro toxicity testing of food contact materials: State-of-the-art and future challenges." *Comprehensive reviews in food science and food safety*. 16(5), 1123–1150.
- Geueke B. and J. Muncke (2017) "Substances of very high concern in food contact materials: Migration and regulatory background." *Packaging Technology and Science*. Online: 28 February 2017.
- Muncke J. (2016) "Chemical migration from food packaging to food." Reference module in food science. Elsevier.
- Muncke, J., Myers, J.P., Scheringer, M. and M. Porta (2014) "Food packaging and migration of food contact materials: will epidemiologists rise to the neotoxic challenge?" *Journal of Epidemiology and Community Health*. 68 (7): 592-594.
- Geueke, B., Wagner, C.C., and J. Muncke (2014) "Food contact substances and chemicals of concern: a comparison of inventories." *Food Additives & Contaminants: Part A* 31 (8): 1438-1450.
- Muncke J. (2014) "Food contact materials: practices, agencies and challenges." Chapter 11 in: *Toxicants in food packaging and household plastics*. S. Snedeker (ed.), Humana Press/Springer.
- Muncke, J. (2014) "Hazards of Food Contact Materials: Food Packaging Contaminants." In: Mortarjemi Y (ed.) *Encyclopedia of Food Safety*. Waltham, Academic Press 2: 430-437.
- Muncke, J. (2011) "Endocrine disrupting chemicals and other substances of concern in food contact materials: An updated review of exposure, effect and risk assessment." *The Journal of Steroid Biochemistry and Molecular Biology* 127(1-2):118-127.
- Muncke, J. (2009) "Exposure to endocrine disrupting compounds via the food chain: Is packaging a relevant source?" *Science of the Total Environment* 407(16): 4549-4559.
- Muncke, J. and R.I.L. Eggen (2006) "Vitellogenin 1 mRNA as an early molecular biomarker in developing zebrafish." *Environmental Toxicology and Chemistry* 25 (10): 2734-2741.
- Pahl-Wostl, C., Schönborn, A., Willi, N., Muncke, J. and T.A. Larsen (2003) "Investigating consumer attitudes towards the new technology of urine separation." *Water Science and Technology* 48 (1): 57-65.
- Seth, R., Mackay, D. and J. Muncke (1999) "Estimating the organic carbon partition coefficient and its variability for hydrophobic chemicals." *Environmental Science and Technology* 33: 2390-2394.

Invited Talks (selection)

"Chemicals in food contact materials: What you need to know." ChemSec, 29 September 2021.

"Food contact chemicals: are they "safe"?" Sustainable Packaging Coalition, 27 May 2020.

"Plastics: A chemical problem?" Limnoplast Microplastinar, 16 December 2020.

"Wie kommuniziert man unsichtbare Risiken? Beispiel Chemikalien in Lebensmittelverpackungen." Krebsliga Schweiz. 24 November 2020.

"Removing EDCs from food packaging: a journey." McGill University, 5 November 2020.

"Healthy food packaging: human health and environmental concerns." Green Science Policy Institute, 7 February 2020, Berkeley, CA/USA.

"Insights on the impact of food packaging on health" 8 November 2019, Landolt & Cie, Geneva/Switzerland.

"Chemical safety: challenges and opportunities for food packaging in the circular economy." IQTC FCM symposium, 30 October 2019, Guangzhou/China.

"Chemicals in food contact articles and plastic packaging: prioritization of hazardous substances." ILSI North America, 2-3 April 2019, Washington, DC/USA.

"Food packaging in the circular economy: a focus on chemical safety of FCMs." Chemical Watch, 28 March, Brussels/Belgium.

"Fighting climate change with food packaging: solutions for today, tomorrow, and the day after." 7 March 2019, Climate Change Leadership, Porto/Portugal.

"European policy for food contact materials and articles: challenges, actions and opportunities". 5 November 2018, European Environmental Bureau conference, Brussels/Belgium.

"Chemical migration from food contact articles: Current issues and scientific challenges". 25 October 2018, IUFoST 2018, Mumbai/India.

"Substances of (very high) concern in food packaging? Challenges for risk assessment." 23 March 2018, Swiss Federal Institute for Aquatic Science (Eawag), Friday seminar, Dübendorf/Switzerland.

"Mineral oils in food contact articles". 28 February 2018, AIMPLAS okPlast 2018, Valencia/Spain.

"Food contact materials: Chemical risk assessment and practical challenges". 14 June 2017, EFSA summer school, Parma/Italy.

"Ensuring chemical safety of food contact materials in the circular economy." 10 May 2017, SETAC Europe conference, Brussels/Belgium.

"Food contact materials as source of chemical food contaminants". 13 June 2016, 2nd International Conference on Food & Beverage Packaging, Rome/Italy.

"Chemical migration from food contact materials." 27 April 2016, AMI Plastic Pouches 2016, Vienna, Austria.

"Food packaging and migration of food contact materials: will epidemiologists rise to the neotoxic challenge?" 11 April 2016, Environment and Health Fund, Tel Aviv/Israel.

"Chemicals in food packaging." 12 November 2015, European Parliament breakfast seminar on "Chemicals in food packaging: Is the regulation of chemicals in food contact materials sufficient?", Brussels/Belgium.

"Lebensmittelverpackungen, Chemikalien und Gesundheit: wissenschaftliche Grundlagen und Herausforderungen." 18 September 2015, inaugural lecture bachelor environmental science, University Fribourg/Switzerland.

"Food packaging and health: science and policy update." 16 May 2014, Glass Focus Day British Glass, London/England.

“Sichere Verpackungen sind frei von hormoneller Aktivität: die wissenschaftlichen Grundlagen.” 23 April 2014, XENO-hormone in Verpackungen, OFI, Vienna/Austria (panel).

“Food contact materials and health: state of the science overview.” 30 September 2013, Riedel Technical Conference, Kufstein/Austria.

“EDCs and other xenobiotics in food packaging.” 15 June 2012, Why are we concerned about EDCs? KEMI Swedish Chemicals Agency, Stockholm/Sweden.

“Food packaging: a relevant source for human exposure to EDCs.” 7 May 2012, Safety and Environmental Technology Group Seminar, ETH Zurich/Switzerland.

“Sustainable packaging: challenges and opportunities for the glass container industry“, 20 April 2011, management team meeting Vetropack, St.Prex/Switzerland.

“Plastics and health“, 16 November 2010, lecture at Daito Bunka University Tokyo/Japan. “Health aspects of food packaging.” 29 June 2010, Department of Public Health Connecticut, Hartford/USA.

“Food packaging and health“, 3 May 2010, Anadolou Cam, Istanbul/Turkey.

“Human and environmental health issues of food packaging.” 22 October 2009, Sustainable Packaging Coalition, webinar.

Zurich, November 2021