Curriculum Vitae

Personal information

Martin Walter

Work experience

1. Employer: EMA
   - Start date: 12.2024
   - End date: -
   - Position: Member of the Scientific Advice Working Party of the CHMP
   - Activities: Austrian delegate at the SAWP, processing of scientific advice procedures.
   - Country: Netherlands
2. Employer: EMA
   - Start date: 03.2023
   - End date: 12.2024
   - Position: Alternate member of the Scientific Advice Working Party of the CHMP
   - Activities: Austrian delegate at the SAWP, processing of scientific advice procedures.
   - Country: Netherlands
3. Employer: EMA
   - Start date: 11.2021
   - End date: -
   - Position: Member Nitrosamine OEG of the NcWP
   - Activities: Member of the nitrosamine operational expert group of the non_clinical working party at the European medicine agency, Amsterdam. Involved in risk mitigation of carcinogenic nitrosamine impurities in pharmaceuticals.
   - Country: Netherlands
4. Employer: AGES _ Austrian Agency for Health and Food Safety
   - Start date: 03.2019
   - End date: -
   - Position: Assessor
   - Activities: Assessor at the Austrian Medicines and Medical Devices Agency (AGES – MEA), Vienna. Involved in safety and efficacy evaluations of pharmaceuticals in the frame of centralized marketing authorization applications of pharmaceuticals, EMA and national scientific advice procedures, risk assessments of impurities in pharmaceuticals, and national, decentralized and mutual recognition procedures. Main areas of expertise: Non_clinical safety and efficacy, clinical and non_clinical pharmacokinetics, AAV_based gene therapies, biosimilarity and chemical/biological assay validation.
   - Country: Austria
5. Employer: University of Vienna
   - Start date: 10.2014
   - End date: 01.2019
   - Position: University assistant (post_graduate)
   - Activities: University of Vienna, graduation with distinction. Doctoral thesis carried out in the research group for environmental biogeochemistry. Project funded by an uni:docs scholarship of the University of Vienna. Research focus: Chemistry and toxicology of particles and heavy metals, toxicokinetics, radical chemistry and redox biology, chemical mutagenesis and carcinogenesis, environmental pollution.
   - Country: Austria
6. Employer: University of Vienna
   - Start date: 10.2013
   - End date: 03.2014
   - Position: University assistant (pre_graduate)
   - Activities: University of Vienna, graduation with distinction. Master thesis carried out in the research group for environmental biogeochemistry. Research focus: Environmental pollution and ecotoxicology.
   - Country: Austria
7. Employer: Novartis (Sandoz)
   - Start date: 08.2010
   - End date: 09.2010
   - Position: Intern
   - Activities: Internship in a production unit of cytostatic drugs.
   - Country: Austria
8. Employer: Novartis (Sandoz)
   - Start date: 07.2009
   - End date: 09.2009
   - Position: Intern
   - Activities: Internship in a production unit of cytostatic drugs.
   - Country: Austria
9. Employer: Novartis (Sandoz)
   - Start date: 07.2008
   - End date: 08.2008
   - Position: Intern
   - Activities: Internship in a production unit of cytostatic drugs.
   - Country: Austria

Education and training

1. Medical University of Vienna
    - Start date: 092015
    - End date: 112018
    - Qualification: MSC Tox in Toxicology
    - Organisation: Graduation with distinction.
    - Country: Austria
2. University of Vienna
    - Start date: 102014
    - End date: 012019
    - Qualification: Dr.rer.nat in Environmental Sciences and Toxicology
    - Organisation: Graduation with distinction.
    - Country: Austria
3. University of Vienna
    - Start date: 102009
    - End date: 042014
    - Qualification: BSc and MSc in Environmental Sciences
    - Organisation: Graduation with distinction.
    - Country: Austria

Additional information

Publications

Flory E, Walter M, Closson-Carella V, Celis P, Schuessler-Lenz M, Reischl I. Medicinal Products Based on Adeno-Associated Viral Vectors: A Regulatory Perspective on the Potential Risk of Insertion-Mediated Tumorigenesis. *Human Gene Therapy*. 2025;36(21-22):1405-1414. doi:10.1177/10430342251366314

Walter M, Schenkeveld WDC, Geroldinger G, Gille L, Kraemer SM (2024) Redox Cycling of Tetrahedral Iron Drives the Fenton Reactivity of Chrysotile Asbestos. ACS Earth and Space Chemistry 1, 1–13 doi: 10.1021/acsearthspacechem.3c00189

Walter M, Schenkeveld WDC, Tomatis M, Schelch K, Peter_Vörösmarty B, Geroldinger G, Gille L, Bruzzoniti MC, Turci F, Kraemer SM, Grusch M (2022) The potential contribution of hexavalent chromium to the carcinogenicity of chrysotile asbestos. Chemical Research in Toxicology 35, 12, 2335–2347 doi: 10.1021/acs.chemrestox.2c00314

Walter M, Geroldinger G, Gille L, Kraemer SM, Schenkeveld WDC (2022) Soil_pH and cement influence the weathering kinetics of chrysotile asbestos in soils and its hydroxyl radical yield. Journal of Hazardous Materials Jun 5;431:128068. doi: 10.1016/j.jhazmat.2021.128068

Walter M, Schenkeveld WDC, Geroldinger G, Gille L, Reissner M, Kraemer SM (2020) Identifying the reactive sites of hydrogen peroxide decomposition and hydroxyl radical formation on chrysotile asbestos surfaces. Particle and Fibre Toxicology 17, 3. Doi: 10.1186/s12989_019_0333_1

Geroldinger G, Tonner M, Quirgst J, Walter M, De Sarkar S, Machín L, Monzote L, Bein H, Stolze K, Duvigneau C, Staniek K, Chatterjee M, Gille L; Activation of artemisinin and heme degradation in leishmania tarentolae promastigotes: A possible Link? Biochemical Pharmacology 173:113737. doi: 10.1016/j.bcp.2019.113737

Walter M, Schenkeveld WDC, Reissner M, Gille L, Kraemer SM (2019) The effect of pH and biogenic ligands on the weathering of chrysotile asbestos; the pivotal role of tetrahedral Fe in dissolution kinetics and radical formation. Chemistry _ A European Journal 25: 3386 – 3300. doi: 10.1002/chem.201804319

Gille L, Geroldinger G, Tonner M, Hettegger H, Bacher M, Monzote L, Walter M, Staniek, K, Rosenau T (2017) The activation of the endoperoxide ascaridole in Leishmania. Free Radical Biology & Medicine: 108, S32. doi: 10.1016/j.freeradbiomed.2017.04.130

Walter M, Kraemer SM, Schenkeveld WDC (2017) The effect of pH, electrolytes and temperature on the rhizosphere geochemistry of phytosiderophores. Plant and Soil: 1_19. doi: 10.1007/s11104_017_3226_9.

Geroldinger G, Tonner M, Hettegger H, Bacher M, Monzote L, Walter M, Staniek K, Rosenau T, Gille L (2017) Mechanism of ascaridole activation in Leishmania. Biochemical pharmacology 132: 48_62. doi: 10.1016/j.bcp.2017.02.023

Schenkeveld WDC, Kimber RL, Walter M, Oburger E, Puschenreiter M, Kraemer SM (2017) Experimental considerations in metal mobilization from soil by chelating ligands: The influence of soil_solution ratio and pre_equilibration – A case study on Fe acquisition by phytosiderophores. Science of The Total Environment 579: 1831_1842. doi: 10.1016/j.scitotenv.2016.11.168

Walter M, Oburger E, Schindlegger Y, Hann S, Puschenreiter M, Kraemer SM, Schenkeveld WDC (2016) Retention of phytosiderophores by the soil solid phase _ adsorption and desorption. Plant and Soil 404: 85_97. doi: 10.1007/s11104_016_2800_x

Projects

InSilify DrugTox:

Project leader of a large scale retrospective computational toxicology project to determine the accuracy of in silico models in predicting toxicity data from drug development and authorisation sources. Funded by the Austrian Science Fund FWF:

https://pharminfo.univie.ac.at/projects/insilify-drugtox/

https://www.fwf.ac.at/en/research-radar/10.55776/P37309

Memberships

Member of the Austrian Sociaty for Toxicology

Board member of the Austrian Sociaty for Toxicology

Other Relevant Information

European Registered Toxicologis (ERT)