

# Curriculum Vitae

Personal information Martin Walter

Work experience

1. Employer: EMA

- Start date: 03.2023
- . End date:
- 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
- 2. 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
- 3. 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

- 4. Employer: University of Vienna

  - Start date: 10.2014 End date: 01.2019

 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

- 5. 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 6. Employer: Novartis (Sandoz) Start date: 08.2010
  - - . End date: 09.2010
    - Position: Intern
      - Activities: Internship in a production unit of cytostatic drugs.
- Country: Austria 7. Employer: Novartis (Sandoz)

  - Start date: 07.2009 End date: 09.2009
  - Position: Intern
  - Activities: Internship in a production unit of cytostatic drugs. Country: Austria
- 8. 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**

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 cheating 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

Other Relevant Information

European Registered Toxicologis (ERT)