

Profile

My Research

My research deals with environmental epidemiology and includes exposure assessment studies, aetiological research and health risk assessments in the area of ionizing and non-ionizing radiation, noise exposure, ambient air pollution, climate change, pesticides and passive smoking.

Professional Experience

- 2016- Associate Professor in Environmental Epidemiology (University of Basel) and Head of the Environmental Exposures and Health Unit at Swiss TPH, Basel
- 2009-2016 SSPH+Assistant Professor and Head of the Environmental Exposures and Health Unit at Swiss TPH, Basel
- 2003-2009 Senior Epidemiologist and Head of the Environmental Health Research Group, Institute of Social and Preventive Medicine, University of Bern
- 2001-2003 Postdoc at the Institute for Social and Preventive Medicine, University of Basel
- 1998-2001 PhD Student at the Air Quality Management Agency of Basel and Institute for Social and Preventive Medicine, Basel
- 1997-1998 Research Assistant at the Institute of Atmospheric Science ETH, Zürich
- 1988-1991 Primary School Teacher, Dagmersellen

Higher education and qualifications

- 2009 PD ('Venia docendi') at the Faculty of Medicine, University of Bern, Switzerland
- 1998-2001 PhD (summa cum laude) in Epidemiology, University of Basel, 19 February, 2001: Spatial variability of air pollutants in the Basel area and carcinogenic and non-carcinogenic health risk.
- 2000-2001 Post graduate education in Applied Statistics, ETH Zürich, Switzerland
- 1992-1997 MSc in Environmental Science, ETH Zürich, Switzerland
- 1983-1988 Pedagogic college in Hitzkirch, Switzerland

Current Committees and Service Activities

- 2020- Member of the Editorial Board of the Journal Noise & Health
- 2019- Member of the committee Non-ionizing Radiation (A6) of the German Radiation Protection Commission and member of the working group 5G (A630)
- 2019- Academic Board of the SSP+ Inter-university Graduate Campus
- 2019- Elected Member of the Council for Biological and Medical Science of the European Bioelectromagnetics Association (EBEA)

- 2020- Member of the Steering Group of the Center for African Studies, University of Basel
- 2017- Member of the Scientific Advisory Board of the "Occupational exposure to chrysotile workers in mines and processing facilities in Asbest, Russian Federation" study, jointly conducted by the International Agency for Research on Cancer (IARC) and the Izmerov Research Institute of Occupational Health of the Russian Federation in Moscow.
- 2017- External expert of the Swiss National Science Foundation Commission of the University of Basel
- 2016- Member of the ICNIRP (International Commission on Non-Ionizing Radiation Protection)
- 2016- Member of the Editorial Board of International Journal of Environmental Research and Public Health
- 2013- Member of the Editorial Board of Bioelectromagnetics
- 2013- Affiliated Researcher at the Israeli Non-Ionizing Radiation Information Center
- 2012- Member of the Federal Noise Abatement Commission (Eidgenössische Lärmbekämpfungskommission)
- 2012- Writing Committee of the Environmental Health Criteria Monograph on Radiofrequency Electromagnetic Fields of the WHO.
- 2011- Extraparliamentary Commission for Environmental Research of the Federal Office for Environment
- 2010- Member of the Expanded Board of the Master of Public Health (MPH) Program, Switzerland
- 2010- Associate Editor of the International Journal of Public Health
- 2010- Member of the Expert Group for the Swedish Radiation Safety Authority (SSM)

Past Committees and Service Activities

- 2016-2021 Member of the International Scientific Advisory Board of COSMOS (cohort study of mobile phone use and health)
- 2019-2020 Advisory Board, Forum „Environment and Cancer“, Swiss Cancer League, including organization of the Forum Umwelt und Krebs: Dialog für eine umweltbewusste Krebsprävention, 24. November 2020.
- 2018-2020 Co-director and member of the Steering Group of the Center for African Studies, University of Basel
- 2018-2019 Working Group Mobile Phone and Radiation, of Federal Department of the Environment, Transport, Energy and Communications
- 2019 Co-organizer of the Swiss TPH winter symposium Climate change and Health
- 2016-2019 Member of the Federal Commission for Tobacco Prevention (Eidgenössische Kommission für Tabakprävention)

- 2018-2019 European Academies Science Advisory Council (EASAC) Review: Climate Change and Health.
- 2015-2018 Member of the Scientific Council of the IARC (International Agency for Research on Cancer)
- 2017-2018 Co-chair of the Technical Program Committee for BioEM Meeting, 25-29 June 2018, in Protorož, Slovenia.
- 2011-2018 Foundation Board of the Research Foundation Mobile Communication
- 2016-2017 Technical Program Committee member for BioEM Meeting, 05-09 June 2017, West Lake Villa, Hangzhou, China.
- 2016-2017 Senior Congress Advisor for 12th IC BEN Congress on Noise as a Public Health Problem, 18-22 June 2017, Zürich, Switzerland
- 2014-2015 Organisational and Scientific Board of the Swiss Public Health Conference: Public Health Benefits of Climate Change Policies, 17-18 September 2015, Geneva, Switzerland
- 2011-2016 Member of the a+Energy-Commission of Swiss Academies of Arts and Science
- 2011-2013 Co-chair of the 2013 Environment and Health Conference, joint meeting of the International Society of Environmental Epidemiology (ISEE), International Society of Exposure Sciences (ISES) and International Society of Indoor Air Quality (ISIAQ)
- 2011-2012 Organisational and Scientific Board of the Conference Landscape and Health, 24-25 January, 2012, Birmensdorf, Switzerland
- 2011 International Expert Workshop on RF Health Research Needs, Electric Power Research Institute (EPRI), Palo Alto (12.-13. Jul.)
- 2011 Working Group of the IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 102: Non-Ionizing Radiation, Part II: Radiofrequency Electromagnetic Fields [includes mobile telephones, microwaves, and radar]
- 2010-2015 Member of the Steering Committee Swiss Association for Smoking Prevention (Arbeitsgemeinschaft Tabakprävention)
- 2010 Technical Consultation Meeting on Radio Frequency Research Agenda, World Health Organization (WHO), Geneva (9.-10. Feb.)
- 2009-2014 Committee Member for the Program Electromagnetic Fields and Health (EMF&H) from ZonMw in The Netherlands
- 2009-2014 Member of the Rapid Response Group (RRG) for the Japan EMF Information Center
- 2009-2013 Member of the Advisory Board of the Swedish part of COSMOS (prospective cohort study of mobile phone users)
- 2008-2012 Member of the Working Group 3 "Epidemiology and Human Studies"; COST Action BM0704: Emerging EMF technologies: health risk management
- 2008-2009 Task Group evaluating the German study on childhood cancer in the vicinity of nuclear power plants (AG61). German Federal Office of Radiation Protection, Bonn

- 2007 Invited Expert for the workshop of The National Academics: Identification of Research Needs Relating to Potential Biological or Adverse Health Effects of Wireless Communications Devices, Washington DC (7.-9. Aug.)
- 2007 Children's Health and Environment Programme, WHO Europe, CEHAPE Workshop, Oxford UK (5.-6. Mar.)
- 2005-2006 Monitraf (Monitoring von Auswirkungen des Strassenverkehrs im Alpenraum): European 2005 EMF-Beirat, Federal Office of Public Health, Switzerland
- 2004 WHO Working Group member at WHO workshop on base stations and wireless networks, Geneva (15.-17. Jun.)
- 2004 WHO Working Group Member at International Seminar and Working group meeting on EMF hypersensitivity, Prague (25.-27. Oct) Union INTERREG III B Alpine Space Program
- 2001-2004 WHO, Environmental Health Criteria, Task group static field

Full Publication list

<https://publons.com/researcher/1361403/martin-roosli/>