Personal Information

First name / Surname	Theodoor (Ted) Christiaan Joannes / Turlings
Addresses professional 	University of Neuchâtel, Institute of Biology, rue Emile-Argand 11, CH-2000 Neuchâtel, Switzerland (+41) (32) 718 31 58 Henan University, School of Life Sciences, Kaifeng/Zhengzhou, China. (+86) 13183262175
• private	Rue J. de Hochberg 18, CH-2000 Neuchâtel, Switzerland (+41) 763916576
• email	ted.turlings@unine.ch
Nationality Place/Birth Marital Status Languages	Dutch (The Netherlands) Heemstede, 19 July 1959 Married, two sons Fluent: English and Dutch, Very good: German and French, Basic: Spanish
Current position and responsibilities	- Full professor and head of Laboratory of Fundamental and Applied Research in Chemical Ecology (FARCE) at the Institute of Biology, University of Neuchâtel,
	- Director of the Centre of Competence in Chemical Ecology
	- Co-director of the Masters/Certificate of Advanced Studies - Integrated Crop Management (in collaboration with CABI-Switzerland)
	Research topics: • Chemical Ecology of plant-insect interactions • Exploitation of induced chemical plant defenses for crop protection • Evolutionary Ecology of tritrophic interactions Teaching: • Chemical Ecology • Applied Entomology • Sustainable Agriculture
	 External committees: Executive board member of the Swiss Plant Science Web Scientific committee of the Delwart Foundation Swiss National Science Foundation committee for Advanced Post-doc Grants Governing Council and Executive Board of <i>icipe</i> (<u>http://www.icipe.org/about/governing_council</u>) Advisory board of the Swiss Chemical Society Former President of the International Society of Chemical Ecology
Academic Degrees	1985-1990Ph.D. (Chemical Ecology/Entomology), University of Florida (USA)1982-1985MSc. in Biology, University of Leiden, the Netherlands1977-1981B.Sc. in Biology, University of Leiden, the Netherlands

Professional	2021-present	Co-Director of an online teaching program in Integrated Crop
experience	0011	Management managed by CABI-Switzerland
	2014-present 2008-present	Director of the Centre of Competence in Chemical Ecology (C ₃ E) Full Professor and head of Laboratory of Fundamental and Applied
	2000-present	Research in Chemical Ecology (FARCE), Institute of Biology,
		University of Neuchâtel
	2014-2020	Co-Director of Master's of Advanced Studies (MAS) in Integrated
	2008-2018	Crop Management managed by CABI-Switzerland Vice-director of the Institute of Biology (finances)
	2008-2016	Head of the Interuniversity Doctoral Program in Organismal Biology
	2008-2013	Director of the National Centre of Competence in Research
	2003-2008	(NCCR) <i>Plant Survival</i> Director of Research/Associate Professor at the Laboratory of
	2000 2000	Animal Ecology and Entomology, Institute of Biology, University of Neuchâtel.
	2001-2008	Head of the graduate school affiliated with the Swiss National
		Research Center "Plant Survival in Natural and Agricultural Ecosystems".
	2001-2003	Lecturer for the Laboratory of Animal Ecology and Entomology,
		Institute of Zoology, University of Neuchâtel.
	1996-2003	START-fellow (adjunct professor) at the Laboratory of Animal
		Ecology and Entomology, Institute of Zoology, University of Neuchâtel. Sponsored by the Swiss National Science Foundation.
Teaching and	1996-present	At the University of Neuchâtel (in French & English):
supervising experiences		Courses in Evolutionary Ecology, Chemical Ecology, Applied Entomology, and Integrated Pest Management
experiences		Lab-course: Research in Plant-Insect Interactions.
		Supervise(d): >55 M.Sc. students, 32 Ph.D. students, and 18
	4000 4000	postdoctoral associates.
	1993-1996	At the Swiss Federal Institute of Technology, Zurich (in German): Lectured an advanced course in Insect Ecology
		Taught a laboratory practical in Eco-physiology
		Supervised 4 M.Sc. students, 2 Ph.D. students, and 1 post-doc
	1993-1996	Oberassistent, Dept. of Applied Entomology, Institute of Plant
		Sciences, ETH (Swiss Federal Institute of Technology), Zurich, Switzerland.
	1990-1992	Postdoctoral Research Associate, Chemistry Section, Insect
		Attractants, Behavior, and Basic Biology Research Laboratory,
	1990-1992	USDA-ARS, Gainesville, Florida, USA.
	1990-1992	Chemical ecology training of Dr. Philip J. McCall visiting from the Liverpool School of Tropical Medicine, UK.
	1987-1991	Supervised and trained six student assistants.
	1987	Supervised Dutch graduate student on a 9-month exchange
	1987-1990	program. Guest lecturer for Chemical Ecology, Biological Control, and
	1007-1000	General Entomology courses at the Entomology Department of the
		University of Florida, USA.
	1984-1985	Part-time Computer Programmer for the Organ Transplant Division,
		Academic Hospital of Leiden. Developed a program to analyze DNA/RNA sequences.
	1983-1985	Guest lecturer for ecology courses at the Universities of Leiden and
		Wageningen, The Netherlands.

	1983-1984 Teaching assistant for Animal Ecology course at University of Leiden, The Netherlands
Awards & Honors	 <u>2024 Changjiang (Yangtze River) Scholar award</u> (<u>https://en.wikipedia.org/wiki/Changjiang_Scholars_Program</u>) <u>2023 Prix Marcel Benoist (</u>https://marcel-benoist.ch/en/prize-2023/)
	2022 International Branch Distinguished Scientist Award from the Entomological Society of America
	The 2015 Silverstein-Simeone-Award from the International Society of
	Chemical Ecology
	 Bronze medal from the International Society of Chemical Ecology for the organization of their 25th annual meeting in 2009 in Neuchâtel.
	 Award the 2008 Prix Delwart of the Belgian Royal Academy of Sciences, fo research on chemical communication.
	 Nominated <i>par appel</i> to full professor at the Institute of Biology at the University of Neuchâtel
	 Honorary 2008 Sawicki lecture at the Rothamsted Research Institute, UK Honorary 2007 C.V. Riley lecture at the University of Missouri
	Member of the College of Reviewers, Canada Research Chairs program
	Councilor for the International Society of Chemical Ecology (1996-2000).
	1996 Prix Belgacom for Research on Chemical Communication.
	Academie Royale des Sciences, des Lettres & des Beaux-Arts de Belgique
	Shared with Prof. Marcel Dicke from Wageningen University, NL.
	 START-fellowship from the Swiss National Science Foundation (1996) USDA merit award (1992) for outstanding research in the investigation of the response of plants to insect herbivore damage and the attraction of parasities
	wasps to damaged plants.
	USDA merit award (1991) for excellence in research on the chemically
	mediated interactions between plants, caterpillars, and parasitic wasps.
	 Florida Entomological Society, 1991 Award for Outstanding Collaborative Research on the Chemically Mediated Host-Searching Behavior of Insect Parasitoids.
	• IFAS 1990 Award of Excellence for best Dissertation presented to the School of Agriculture at the University of Florida.
	Fulbright Scholarship for Graduate studies at the University of Florida,
	awarded in 1985 by the U.S. Information Agency.
Review Panels, consulting &	 Selection Committee for Lecturer in Chemical Ecology, Lund University, Sweden (2023).
Evaluation committees	• Selection Committee for Senior University Lecturer in Chemical Ecology, Lund University, Sweden (2022).
	 Member of the Governing Council of <i>icipe</i> (International Centre of Insect Physiology and Ecology, Kenya) (since 2020- ongoing). Since 2022, also
	member of the <i>icipe</i> Executive Board.
	Member of the Advisory board if the Swiss Chemical Society (since 2019- ongoing).
	 Committee member: evaluation of advanced post-doc grants of the Swiss National Science Foundation (2005-2020, evaluated 125 applications).
	 Neuchâtel representative: CUSO committee for post-graduate courses (IIIème cycle) (2008-2016).
	 BENEFRI representative: executive board of the Swiss Plant Science Web
	 Panel member: Evaluation of UMR 1272, INRA, Versailles, France (2008)

	 Panel member: Review of the Environment-Plant Interaction Programme (2009), Scottish Crop Research Institute, Dundee, Scotland. Review panel of Ecogenomics 2009 grant initiative (2009-2010), The Netherlands Consultant for agro-industry Panel member: Evaluation of projects of Fondation pour la Recherche sur la Biodiversité (FRB), Paris, France, 2009 Panel member: Evaluation of projects of Programme Interdisciplinaire de Recherche (PIR) of the CNRS, Paris, France, 2010 Panel member: Evaluation of applications for Biotechnology and Biological Sciences Research Council BBSRC, UK, 2010
PhD supervisor & committee member	 Project leader and principal advisor for: Kathrin Altermatt, (co-supervision Gregory Röder and Carla Arce) tentative title: Crops under biotic and abiotic threats: what do they tell us, how can we help them (on-going) Marine Mamin, tentative title: The consequences of volatile-mediated priming of cotton plants in nature (on-going) Patrick Fallet, A novel strategy to control the fall armyworm with entomopathogenic nematodes (2023) Audrey Duhin (co-supervisor, direct supervision by Gregory Röder), Early land plants: plentiful but neglected resource for herbivores? (2022) Diane Laplanche: Exploiting the chemical ecology of slug-plant interactions for crop protection (terminated) Pamela Bruno, Tritrophic interactions: Possible host-plant effects on the resistance of <i>Diabrotica</i> pests to natural enemies. (2021) Luca Grandi, Interactions between cotton plants mediated by volatile organic compounds: prospects for pest control? (2020) Geoffrey Jaffuel: Enhancing the use of entomopathogenic nematodes for biological control of root pests: from field persistence to improved self-life (2017) Matteo Lucchetti: Pyrrolizidine Alkaloids: occurrence in bee products and impact on honeybees (<i>Apis mellifera</i> L.) (2017) (Direct supervision by Dr. Christophe Praz) Daniel Maag (co-supervision), 1,4-Benzoxazin-3-ones at the metabolic interface between plants and insects (2016) Nathalie Veyrat, The role of indole in maize-herbivore interactions (2014) Elvira de Lange, Tritrophic interactions on cultivated maize and its wild ancestor teosinte (2013) Islam Sobhy, Increasing the attractiveness of con plants to parasitoids with the use of plant enhancers (officially a student at the Suez Canal University, Egypt, with co-supervisor Prof. Awad Sarhan) (2012) Christelle Robert, The key of success: Host plant adaptations of a root herbivore, <i>Diabrotica virgifera virgifera</i> (2012) Georg von Mérey, Ma

Violaine Jourdie, Parasitoid communities and genetic structure: host plant does
 not matter. University of Neuchâtel (2008). Marco D'Alessandro, Assessing the importance of specific volatile organic
compounds for the in multitrophic interactions. University of Neuchâtel (2006).
 Sergio Rasmann, Belowground Tritrophic Interactions. University of Neuchâtel
(2006).
Cristina Tamò, A Compartive Study on the Plant Odor Preference and Learning
Ability of Three Solitary Larval Endoparsitoids of Spodoptera Species. University
of Neuchâtel (2006).
Cristina Faria, The Nutritional Value of Aphid Honeydew for Parasitoids of
Lepidopteran Pests. University of Neuchâtel (2005).
Anita Savidan, Tritrophic Interactions in Maize Storage Systems. University of Neurobital (CIMM) (T. Maurice (2002))
 Neuchâtel/CIMMYT, Mexico (2002). Maria Elena Hobollah (Fritzsche), Benefits, Costs and Exploitation of Caterpillar-
 Maria Elena Hobolian (Fritzsche), Benefits, Costs and Exploitation of Caterplilar- Induced Odor Emissions in Maize Plants. University of Neuchâtel (2001).
 Sandrine Gouiguené, Specificity and Variability of Induced Volatile Signals in
Maize Plants. University of Neuchâtel (2000).
Catherine Bertschy, Diversified Cassava Agroecosystems: Chemically Mediated
Searching Behaviour of Parasitoids. ETH-Zurich (1998).
Marco Bernasconi, Herbivore-Induced Volatiles in Maize Repel the Corn Leaf
Aphid, but attract Natural Enemies of Herbivores. ETH-Zurich (1998).
Marshar of the jury for
 Member of the jury for: Arthur Muller, University Neuchatel, Switzerland (2024)
 Margot Tixeront, Université de Rennes, Rennes, France (2024)
 Dimitri Orine, University of Neuchatel, Switzerland (2023)
 Wayne Zita, University of Neuchatel, Switzerland (2023)
Ludovic Jami, Université de Tours, Tours, France (2022)
Matthias Dreier, University Neuchatel, Switzerland (2021)
Tobias Löser, ETH-Zürich, Switzerland (2021)
 Diana La Forgia, Université de Liège, Belgique (2020)
 Inoussa Sanane, Sorbonne Université, Paris, France (2020)
Van Cong Doan, University of Bern, Switzerland (2020)
Gabriela Caballero-Vidal, Sorbonne Université, France (2020)
Moe Bakhtiari, University Neuchatel, Switzerland (2019) Opel Heuropei Heimersite Neuchatel, Switzerland (2010)
Gael Hauser, University Neuchatel, Switzerland (2019)
 Isha Hashmi, University Neuchatel, Switzerland (2019) Kevin Thiévent, University Neuchatel, Switzerland (2018)
 Oriane Lavogez, Université de La Réunion, St Pierre, La Réunion, France (2017)
 Holger Danner, University of Nijmegen, The Netherlands, (2017)
 Christelle Bonnet, University of Lausanne, Switzerland, (2016)
Veronica Bergottini, University Neuchatel, Switzerland (2014)
Adeline Chauvin, University of Geneva, Switzerland, (2014)
Chalie Assefa Fantaye, Friedrich-Schiller Universität, Jena, Germany, (2014)
Beta Ruffner, ETH Zürich, Switzerland (2013)
Chantal Planchamp, University Neuchatel, Switzerland (2013)
Dirk Balmer, University Neuchatel, Switzerland (2013)
Andrea Bshary, University Neuchatel, Switzerland (2011)
Jérôme Moreau, HDR evaluation, Université de Bourgogne, Dijon, France (2011)
Bertrand Schatz, HDR evaluation, Univ. de Montpellier, France (2011) Benate de Almaidea Sarmante, University of Amsterdam, the Netherlands (2011)
 Renato de Almeidea Sarmento, University of Amsterdam, the Netherlands (2011) Olalekan J. Soyelu, University of Fort Hare, Alice, South Africa (2010)

	 Tamarra von Mölken, Nijmegen University, the Netherlands (2009) Elia Grata, University of Geneva, Switzerland (2009) Nora Lawo, University Neuchatel/Agroscope, Switzerland (2009) Petra Hogervorst, University Neuchatel/Agroscope, Switzerland (2006) Thibaut Malausa, Univ. Toulouse, France (2006) Cédric Tentelier, Univ. de Nice (INRA, Antibes), France (2006) Lena Obrist, University Neuchatel/Agroscope, Switzerland (2005) Maartje Bleeker, Wageningen University, The Netherlands (2005) Hichem Azzouz, Université Paris XIII, France (2004) Laurent Pilonel, Univ. de Neuchâtel (Chemistry) (2004) Mathilde Dufäy, Univ. de Montpellier, France (2003) Stefan Kuske, ETH-Zürich, Switzerland (2002) Farid Faraji, Univ. of Amsterdam, The Netherlands (2001) Laure Grisson, University of Götenborg, Sweden (2000) Laure Kaiser, Université Paris XIII, France (2000) (habilitation) Raquel Perez-Maluf, Université Paris XIII, France (1998) Roel Potting, University of Wageningen, the Netherlands (1996)
Grants	Awarded: 2024 SOR4D grant SNSF: Biological control of the fall armyworm with entomopathogenic
	nematodes for enhanced food security in Africa (CHF 999'989) ongoing 2023 Horizon 2020: Plant pest prevention through technology-guided monitoring and site-
	specific control (PurPest) (our share Euro 1'093'315) ongoing 2019 Standard SNSF grant: Understanding and exploiting communication between cotton
	plants (CHF 964'338)
	2019 SNF R'equip grant: Ultra High Performance Liquid Chromatography-High Resolution Tandem Mass Spectrometry (UHPLC-HRMS/MS) for metabolomics and identification of bioactive molecules (CHF 310'000)
	2018 ERC advanced grant: Scents and sensibility in agriculture: exploiting specificity in herbivore- and pathogen-induced plant volatiles for real-time crop monitoring
	 (AGRISCENTS) (Euros 2'498'086) finished February 2024 Standard SNSF grant: Exploring the Chemical Ecology of Gastropod-Insect-Plant
	Interactions (CHF 618'159) 2015 Sinergia project (Swiss collaboration) entitled: <i>Sugar wars: Glucose mediated</i>
	activation, neutralization and re-activation of defensive metabolites in a soil tritrophic system. The project was developed by Prof. Matthias Erb (Univ. Bern) and is managed by my research group (total CHF 2'127'646)
	2015 Seed-Money Project for Latin America collaborations entitled: <i>Chemical defences in wild and cultivated cotton plants</i> (CHF 21'100)
	2015 NRP68 2 nd phase SNSF soil health project, entitled: Alginate beads as vehicles for the application of entomopathogenic nematodes and bacteria against economically important soil-dwelling pests. Collaboration with ETH-Z and Uni Lausanne (total CHF 539'196)
	2015 Agora project (science communication) entitled: The inconspicuous in a conspicuous world: visualizing hidden aspects of butterfly biology and ecology at the
	 Papiliorama (CHF 49'848). 2014 Participant in the COST Action FA1405 (Proposer Arjen Biere, NL) entitled: Using three-way interactions between plants, microbes and arthropods to enhance crop
	protection and production. 2012 NRP68 grant by the SNSF for the project "Applications of entomopathogenic
	nematodes for a sustainable control of soil insect pests" (CHF 557'204). 2012 Grant for economic stability project "Hydrocapsules as Trojan horses for the
	 application of biological control agents against root pests" (CHF 519'000). Sinergia project entitled: Benzoxazinoid derivatives at the plant-insect interface: An integrated approach to understand a metabolic network. (Written by Matthias Erb; CHF 1'600'000).

2011	Eurocore project awarded by the European Science Foundation entitled: <i>InvaVOL:</i> <i>Consequences of insect invasions for plant-insect interactions mediated by volatile</i> <i>organic compounds.</i> The Consortium, which involves research groups from Switzerland, The Netherlands, Sweden, The Czech Republic and Italy, receives about 1.5 million Euro, with CHF 501'740 going to T.Turlings, the main coordinator
2009	of the project. A CHF 4'831'000 grant was awarded by the Rectors' Conference of the Swiss Universities (CRUS) to create the "Swiss Plant Science Web" (SPSW), which links three regional clusters and eight universities to enhance the visibility of plant science and its benefits to society. Representing the BENEFRI universities as part of this
2009	web, T. Turlings managed a chemical analytical platform, mobility grants, a mentoring program and a summer school (BENEFRI share CHF 1'324'000). Grant awarded to R. Neier, A. Vallat and T. Turlings by the Swiss National Science Foundation for the R'equip: LC-MS Triple Quadrupol Mass Spectrometer (CHF
2009	250'000). Grant awarded to T. Turlings for economic stability project "Optimizing the control of
2009	the Western corn rootworm with entomopathogenic nematodes" (CHF 630'000). Grant awarded to M. Erb, T. Turlings and JL. Wolfender by The Swiss Initiative in Systems Biology (SystemsX.ch) "RootoX: A systems approach to understand how herbivores cope with root-produced toxins" (CHF 79'405).
2008	Swiss National Science Foundation grant: "Costs and benefits of tritrophic signaling between plants and parasitoids" (CHF. 468'000).
2007	Grant awarded to Claudia Zwahlen and T. Turlings by the Swiss National Science Foundation (NFP 59). "Multitrophic interactions of transgenic Bacillus thuringiensis (Bt) maize with the soil ecosystem" (CHF 435'910).
2007	Research Fellow Partnership Programme (RFPP) from the Zentrum for Internationale Landwirtschaft (ETH-Zurich) awarded to Marco D'Alessandro and T. Turlings. "Exploiting scents of distress: Making maize plants more attractive to beneficial insects" (CHF 170'000).
2005	Grant awarded to T. Turlings by the Swiss National Science Foundation for the project:."Cross-effects between below- and aboveground multitrophic interactions" (CHF 335'000).
2005	Grant in collaboration with FAL, Reckenholz and CABI BioScience, Delémont, awarded by KTI/CTI. "Development of biological products for sustainable control of the Western Corn Rootworm, <i>Diabrotica v. virgifera</i> , an invasive maize pest in Europe" (about CHF 900'000).
2003	Two-year <i>pro rata</i> extension of grant "Herbivore-Induced Plant Odors: their ecological significance and potential for exploitation in crop protection" (CHF 310,000).
2000	Co-author of a grant awarded to the University of Neuchatel to establish a National Center of Competence in Research entitled "Plant Survival in Natural and Agricultural Ecosystems" (CHF 14 million for 4 years, grant extended <i>pro rata</i> for another 4 years in 2005).
2000	Grant awarded to T. Turlings by the Swiss National Science Foundation for the project: "Herbivore-Induced Plant Odors: their ecological significance and potential for exploitation in crop protection" (CHF 460,000).
1999	Extention Swiss National Science Foundation project: "The Chemical Ecology of Tritrophic Level Interactions: Herbivore-Induced Emissions of Maize Volatiles that Attract Beneficial Insects" (CHF 100,000).
1998	Grant awarded to T. Turlings and Dr. Thomas Degen by The Roche Foundation. Project: "Genetic aspects of herbivore-induced volatile emissions by maize plants". Contribution to post-doctoral fellowship for Dr. Degen (CHF. 58,700).
1997	Grant awarded to T. Turlings and Maria-Elena Fritzsche by the Swiss Agency for Development and Cooperation (SDC) administered by the Swiss Centre for International Agriculture for the project: "Exploring Maize Genotypes for Chemical Attributes that Promote the Effectiveness of Biological Control Agents" (CHF. 203,822).
1996	Grant awarded to T. Turlings by the Swiss National Science Foundation for the project:

	Emis 1996 STAI for th 1994 Gran Switz paras 1994 Gran Fore Medi 1994 Gran for pu Para Zuric 1994 Gran slova 1994 Gran Vara 2 Varic 1994 Gran Slova 1990 Gran	Chemical Ecology of Tritrophic Level Interactions: Herbivore-Induced asions of Maize Volatiles that Attract Beneficial Insects" (CHF 450,000). RT-fellowship awarded to T. Turlings by the Swiss National Science Foundation te advancement of scientific career (full salary for 5+2 years). t awarded to T. Turlings and S. Dorn by ETH Scientific Board (Zurich, tereland) for research on "Chemically mediated orientation in leafminer sitoids". Research conducted by Ph.D. student at ETH, Zurich (CHF 174,000). t awarded to T. Turlings, S. Dorn, M. Wolfe, and P. Stamp by DEH (Swiss ign Aid) for project on "Diversified Cassava Agroecosystems: chemically ated interactions". Research conducted by two Ph.D. students at CIAT, Cali, mbia (CHF 390,000). t awarded to T. Turlings and S. Dorn by Ciba-Geigy (Integrated Pest Control) roject on "Herbivore-Induced Production of Volatiles in Maize that Attract sitoids and Repel Herbivores". Research conducted by Ph.D. student at ETH, th (CHF 200,000). t awarded to T. Turlings by the Swiss National Fund to enhance cooperation Eastern Europe. For a visit by Dr. Ludovit Cagan, Agricultrual University Nitra, akia research on a tachinid parasitoid of the European corn borer (CHF 8,000). t awarded to T. Turlings and J. Tumlinson by the US Department of Agriculture, cultural Research Service. For funding of post-doctoral research by T. Turlings. oral research funded by the International Research Division of the USDA, D.
Collaborations	2019-ongoing 2018-ongoing 2017-ongoing 2016-ongoing	among cotton plants to induce resistance against pest insects. Dr. Luis Abdala-Roberts, University of Mèrida, Mexico. Inducible defenses in
	2015-ongoing	
	2014-ongoing:	Host-plant manipulation by whiteflies and mealybugs. Dr. Chen Li, now at Hebei University, Baoding, China. Chemical ecology of ant-aphid interactions.
	2014-ongoing	Prof. Matthias Erb, University of Bern. Above and belowground plant defenses against pest insects.
	2009-ongoing	Prof. Jean-Luc Wolfender, University of Geneva. Metabolomics of maize defense compounds.
	2007-ongoing	Dr. Bruce Hibbard (University of Missouri/USDA-ARS). Field trials with the Western corn rootworm.
	2005-2012	Dr. Jurriaan Ton (Sheffield University). Priming of plant defenses and plant- plant communication.
	2005-ongoing 1998-ongoing	Drs. Yonggen Lou (Zhejiang University) and Chenzhu Wang (Chinese Academy of Sciences, Beijing). Field tests on plant-parasitoid signaling. Dr. Jonathan Gershenzon (Max-Planck Institute of Chemical Ecology, Jena,
	2005-2008	Germany). Understanding the molecular genetics of iplant odour emissions. Prof. Felix Wäckers (University of Lancaster). Below- and aboveground
	2003-2005	induced plant defenses. Dr. Joachim Ruther (Freie Universität, Berlin). Plant-plant communication.
	2003-2006	Drs. Ulrich Kuhlmann, & Stefan Toepfer (CABI, Delémont, Switzerland). Herbivore-induced root exudates and their role in host location by entomopathogenic nematodes.
	2001-2007	Drs. Maria Elena Hoballah, Cris Kuhlemeier (Univ. Bern) & Patrick Guerin (Neuchâtel). Evolutionary genetics of pollination in petunia.
	2001-2004	Drs. John Pickett, Lester Wadhams & Sandrine Gouinguené (Rothamsted, UK). Electrophysiological responses of parasitoid antennae.
	2000-2008	Dr. Franz Bigler (Agroscope, Reckenholz, Switzerland). Evaluation of the effects of transgenesis of crop plants on beneficial insects.
	1997-2002	Drs. Frederique Marion-Poll, Thomas Degen and Cristine Dillman (INRA, Paris). Genetics of herbivore-induced volatile emissions by maize plants

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	1996-2006	chemical attributes that prom	YT, Mexico) Exploring maize genotypes for ote the effectiveness of biological control agents	
	1994-1998	Dr. T. Bellotti, CIAT (Centro Internacional de Agricultura Tropical), Cali, Colombia. Cassava Agroecosystems: chemically mediated interactions.		
	1990-2000		T. Alborn (USDA-ARS, Gainesville, Florida). elicitors in caterpillar oral secretions.	
	1990-2000		chool of Tropical Medicine, Liverpool, UK. ce of volatiles for host location by parasitoids	
	1988-1993	Dr. F. L. Petitt, The Land, Eps searching via semiochemical	cot Center, Orlando, Florida, USA. Host	
	1985-1992	Drs. J. H. Tumlinson and W. J. Lewis, USDA-ARS, USA. Drs. L. E. M. Vet J. C. van Lenteren, University of Wageningen, The Netherlands. Semiochemically mediated searching behavior of parasitoids.		
	1984-1985 Dr. M. B. Sokolowski, York University, Canada. showed that <i>Drosoph</i> in susceptibility to parasitoids because of variation in movement.			
Reviewer for	Advances in En	tomology	Journal of Insect Behavior	
lournals	Advances in Ins	ect Physiology	Journal of Insect Physiology	
	Acta Oecologia		Journal of Integrative Plant Biology	
		Forest Entomology	Journal of Invertebrate Pathology	
	Animal Behavio		Journal of Field Ornithology	
		ntomological Society of America	Journal of Pest Science	
	Arthropod-Plant Interactions		Nature Communications	
	Basic and Applied Ecology		Naturwissenschaften	
	Biochemical Systematics and Biology BioControl		Microbial Ecology	
	Biological Control		Molecular Ecology	
	Biocontrol Science and Technology		Molecular Plant Pathology	
	BMC Plant Biology		Molecular Plant-Microbe Interactions	
	Bulletin of Entomological Research		Molecules	
	Chemical Senses		Nanomaterials & Molecular Nanotechnology	
	Chemistry & Biodiversity		New Phytologist	
	Chemical Society Reviews		Oecologia Oikos	
	Chemoecology		Pest management Science	
	Crop Protection		Physiological Entomology	
	Current Biology		Phytochemical Analysis	
	Ecology Ecological Entomology Ecology Letters Entomologia Experimentalis et Applicata Entomological Research Environmental Entomology		Phytochemistry	
			Phytochemistry Lettres	
			Planta	
			Plant Biology	
			Plant Biotechnology Journal	
			Plant Journal	
	European Journ		Plant Physiology	
		al of Entomology	Plant Signaling and Behavior	
		al of Plant Pathology	Plant Science	
		nd Applied Acarology	Plant and Soil	
	Functional Ecolo	ogy	PLoS Biology	
	Food Security		PLoS One	
	Frontiers		PloS Pathogens	
	Helvetica Chimica Acta		Proceedings of the National Academy of	
	Insects		Sciences USA	
	Insect Science		Proceedings of the Royal Society B: Biological	
	International Journal of Ecology Journal of Advanced Research		Sciences	
	Journal of Advanced Research Journal of Applied Entomology		Science	
	Journal of Applied Entomology Journal of Behavioural Ecology		Science Advances	
			Scientific Reports	
	Journal of Chemical Ecology Journal of Ecology		Trends in Plant Science	
		y omic Entomology	The American Naturalist	
			Turkish Journal of Zoology	
	Journal of Experimental Biology Journal of Experimental Botany		Transgenic Research	
	Journal of Field		Weed Science	
		Unitrology		

On the editorial board of	Ecology Letters Journal of Chemical Ecology BCM Plant Biology Plant Signaling and Behavior (ended)
Member of	The American Association for the Advancement of Science Swiss Academy of Science The Entomological Society of America The Ecological Society of America The Royal Entomological Society The Florida Entomological Society The International Society of Chemical Ecology (for which I was former councilor, head of the fundraising committee, and currently president) The Swiss Zoological Society (treasurer from 2003-2014) The Swiss Chemical Society
Reviewer for funding agencies	Agricultural Research and Development Fund BARD (United States-Israel, Binational) BION (Dutch Nation. Science Foundation) The Biotechnology and Biological Sciences Research Council (BBSRC) Canada Research Chairs program Le Centre national de la recherche scientifique (France) Federal Institute of Technology, ETH- Zurich International Foundation for Science Israel Science Foundation Natural Environment Res. Council (UK) Swiss National Science Foundation US National Science Foundation, USA
Contacts with Industries	Firmenich SA, Geneva, Switzerland MCC, Laboratoire Meiners Sàrl, microencapsulation, Colombier, Switzerland KWS SAAT AG, Biotechnology Maize/Oilseed Crops, Einbeck, Germany e-nema GmbH, Kiel, Germany Syngenta Crop. Protection, Stein, Switzerland Andermatt Biocontrol AG, Grossdietwil, Switzerland LANDI Reba AG, Aesch, Switzerland Delley Semences et Plantes SA, Delley, Switzerland Grupo HT Nutri, Carnaquã. Brasil & Neuchâtel Tofwerk, Thun, Switzerland Ecorobotix, Yverdon, Switzerland Informal consultancies for several industries and foreign research institutions
Media Interests	Research was profiled by: Numerous journals and newspapers (e.g. Washington Post, New York Times, The Economist, The Atlantic, Le Monde, Le Figaro, NZZ, L'Express, Beobachter etc). Chemical and Engineering News BBC Wildlife Magazine Encyclopaedia Britannica Year Book American Scientist Nature News & Views BBC Radio Canadian Radio Radio Netherlands World Service Voice of America CNN's Science and Technology Week Swiss Television (NZZ Format, TSR) Radio Télévision Suisse, Lausanne La cinquième (French TV) Documentaries for German, French and Canadian television

Meetings organized	Sept 2024	Symposium organizer (with Prof. Yunhe Li, Henan University) "The fall armyworm as a threat to rice production in Asia and beyond" International Congress of Entomology, Kyste, Japan	
	July 2024	Kyoto, Japan Scientific committee member, Annual meeting of the International Society of Chemical	
	Luk. 0000	Ecology, Prague, Czech Republic	
	July 2023	Scientific committee member, Annual meeting of the International Society of Chemical Ecology, Bengaluru, India	
	June 2019	Session organizer (with Prof. John Pickett) at the 35th annual meeting of the International Society of Chemical Ecology ISCE. Atlanta, USA. Application and manipulation of plant volatiles for crop protection	
	May 2015-23	Annual Grad. School workshop: " <u>Visions for a Sustainable Agriculture</u> ", Neuchâtel, Switzerland.	
	August 2014	SIP-15, 15th Symposium on Insect-Plant Interactions, Neuchâtel, Switzerland	
	August 2012	Symposium organizer for the XXIV International Congress of Entomology ICE 2012, Daegu, South Korea (with Prof. Junji Takabayashi and Yonggen Lou)	
	August 2009	The 25th annual meeting of the International Society of Chemical Ecology ISCE. Neuchâtel, Switzerland	
	Sept. 2008	Organized (with Profs. Felix Kessler and Ian Sanders) a graduate course (Illème cycle entitled: Plant interactions with their environment. Neuchâtel, Switzerland	
	Sept. 2006	Organized (with Prof. Redouan Bshary) a graduate course (Illème cycle) entitled:	
	April 2005	Conflicts of Interest in Mutualistic Interaction. Neuchâtel, Switzerland Organized (with Prof. Martine Rahier) the NCCR Plant Survival International	
	-	Conference, Leysin, Switzerland,	
	Sept. 2004	Organized (with Profs. Martine Rahier and Bruno Betschart) a graduate course (Illème	
	Jan. 2003	cycle) entitled: Host recognition by parasites and parasitoids. Organized a graduate course on "Risk assessment of GM crop plants" for the graduat school "Plants and their Environment". Neuchâtel, Switzerland.	
	Sept. 2001	Organized (with Prof. Martine Rahier) a graduate course (Illème cycle) entitled: Exploitation of Plant Defense Chemistry by Insects. Neuchâtel, Switzerland.	
	Sept. 2000	Organized (with Dr. Betty Benrey) a graduate course (Illème cycle) entitled: Parasitoids: their Biology, Ecology, and Application. Neuchâtel, Switzerland.	
	July 1999	Organized (with Dr. Moshe Coll) symposium: Breeding crop plants to increase the effectiveness of natural enemies. XIVth Int. Plant Protect. Congress, Jerusalem, Israel	
	Dec. 1993	Organized (with Dr. Felix Wäckers) symposium: Do Herbivore-Damaged Plants Actively Recruit Natural Enemies? Ann. meeting Entomol. Soc. of Amer., Indianapolis,	
	May 1992	USA. Co-organized (with Dr. Patrick Greany) the IX International Entomophagous Insect Workshop, Florida Keys, USA.	
Symposia & workshop presentations		at more than 200 meetings, Universities, and Research Institutes since 1990 nt presentations is available upon request)	
Scientific publication	Among top 3%	scientists in the world according to the AD Scientific Index 2023 (ranked #13405)	
output and impact	Research.com: ranked #3 in Plant Science/Agronomy and #12 in Ecology/Evolution in Switzerland More than 250 peer-reviewed publications		
		opus), 89 (<u>google scholar</u>), > 30'000 citations available here and upon request)	