

Curriculum vitae of Fränzi Korner-Nievergelt



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Birth 1972 in Zurich, Switzerland

Civil status married with Pius Korner
mother of 2 children:
Mattis (2003) and Mina (2005)

Nationality Swiss

Work experience

2008-2011	<p>Lecturer at</p> <ul style="list-style-type: none"> - International Max-Planck Research School for Organismal Biology IMPRS (Seewiesen, Konstanz, Radolfzell D): Linear models and linear mixed models with R, Generalised linear models and generalised linear mixed models with R - University of Zurich: Introduction to statistics with R, Mixed models - Zürcher Hochschule für Angewandte Wissenschaften ZHAW (Zurich): Introduction to statistics
Since April 2004 (55 %)	<p>Scientific assistant and statistician at the Swiss Ornithological Institute, www.vogelwarte.ch consulting data analyses and research in bird migration and conservation biology</p>
Since Dec 2003 (20 – 45 %)	<p>Owner of the consulting firm "oikostat GmbH", www.oikostat.ch Analyses of environmental data, statistical consulting for scientists, teaching (statistics and R).</p> <p>Examples of projects:</p> <ul style="list-style-type: none"> Development of a method to measure the number of bats crashing at wind turbines (Leibniz Universität Hannover, Institut für Umweltplanung) Study design and data analysis of a study on the comparison between ecological and conventional agricultural systems in Kenia, Bolivia and India (Forschungsanstalt für biologischen Landbau FiBL) Analyses of presence/absence data of more than 400 mushroom species before and after management activities (Christophe Berney, Herpetological Consulting and Expertise, Riehen) Analyses of data from 40 years bird ringing activity at Ulmethöchi, BL (Basellandschaftlicher Naturschutzverband, BNV)
March 2003 – February 2009 (10 – 25 %)	<p>Carer of "Naturlehrgebiet Buchwald", Ettiswil, a nature reserve designed for environmental education. www.naturlehrgebiet.ch Guidance of groups, mainly school classes. Courses for teachers.</p>

- Sept 1999 – Juni 2003 **PhD:** „Relations of substrate use and morphology: morphological convergence in conifer-dwelling passerines (Passeriformes, Aves)“ supervised by Dr. B. Leisler (Max Planck Institute for Ornithology, Radolfzell, D).
- Jan – Aug 1999 The **PhD project** „Genetical and morphological differences between two ecotypes of the European nuthatch“ was given up after 8 months due to too small morphological differences between the two ecotypes.
- 1999 – 2002 (50 %) **Scientific assistant** at the Zoological Museum, University of Zurich
- Aug 1998 – Okt 1998 **Scientific assistant** at the Swiss Ornithological Institute (radar ornithology, Prof. B. Bruderer)
- Jan 1997 – July 1998 (10 %) **Secretary** at the office of the foundation for the protection of bats. www.fledermausschutz.ch
- Okt. 1991 – Feb. 1992 (100 %) **Shop assistant** Bächli Bergsport, Zürich-Örlikon

Education

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- 2007-2011 Diverse courses and workshops:
How to write an R package (Bern CH, 2011) by M. Mächler
Bayesian capture-recapture workshop (St. Andrews UK, 2011) by R. King, B. Morgan, R. McCrea
Introduction to ADMB (Kent UK, 2010) by M. Maunder
Occupancy models (Kent UK, 2010) by D. MacKenzie
Bayesian statistics (Kandersteg CH, 2009) by Tony O'Hagan
Mark-recapture workshop (Montpellier F, 2008) by R. Choquet, O. Gimenez, R. Pradel.
Introduction to Bayesian analyses using WinBUGS (Cambridge UK, 2008) by D. Spiegelhalter and D. Lunn
New insights into mixed model methodology with applications to genomics and biostatistics (La-Londe-les-Mares F, 2007) by J.-L. Foulley and F. Jaffrézic
- Sept 2007 – April 2008 Post-diploma course in **Applied Statistics** at the University of Berne. Organisator: Prof. Dr. J. Hüsler
Diploma: "Quantification of within-winter movements of Pochards and Tufted ducks – developing a ring-recovery model"
- June 2003 **PhD defence** at the Zoological Museum, University of Zurich.
Head: Prof. Dr. Paul Ward
- Okt. 2001 – Okt. 2003 **Post-diploma course in Applied Statistics** at the ETH Zürich
Organisator: Prof. Dr. W. Stahel
- June 1998 **Master exam** in zoology (ecology, morphology and taxonomy) and systematic botany:
- 1996 –1998 **Master:** "Orientation behaviour of nocturnally migrating passerines" supervised by Prof. Dr. B. Bruderer, Swiss Ornithological Institute
- 1994 –1997 **Master Studies** in zoology and systematic botany

1992 –1994	Bachelor study in biology
1991	Matura (qualification for university entrance) in Dübendorf (ZH)

Additional qualifications

since 2008	Co-organisator of the Workshop "Applied Statistics in Life Sciences" , Berne
July 2006 – Nov 2006	Family tour through eastern Europe with an old VW bus Visits and voluntary work on several bird ringing stations and national parks.
Fall 2003, spring 2004	Volunteer at the Sahara project of the Swiss Ornithological Institute in Mauretania. (B. Bruderer and F. Liechti)
Okt 1998, Sept 1999, Okt 2000	Head of the field station of the Swiss Ornithological Institute at Col de Bretolet Bird ringing, administration, head of 10 volunteers.
1992 – 1996	Various voluntary services, e.g. at the Lynx project , University of Trondheim N, at the Yellowstone Nationalpark USA, and at a Norwegian farmer .
Personality	I attach great importance to honesty and modesty. Team player, creative, enthusiasm for nature and science
Computer skills	Windows, R, S+, SPSS, WinBUGS, E-SURGE, MARK, OpenBUGS, EndNote, FileMaker, MatLab, Dreamweaver, Bananas
Language skills	German: mother tongue English: oral: fluent, written: good Norwegian: oral: good, written good French: oral: sufficient, written, sufficient
Memberships (selection)	- Swiss Statistical Society (www.stat.ch): since 2009 committee member of the section Business and Industry BI - BirdLife Switzerland (www.birdlife.ch): active since 1985, 1995 – 2005 member of the commission "environmental education", since 2007 president of a local group (http://navoalberswil-ettiswil.birdlife.ch) - Ala, Schweizerische Gesellschaft für Vogelkunde und Vogelschutz (www.ala-schweiz.ch): since 2003 delegate or committee member - Deutsche Ornithologen-Gesellschaft DO-G (www.do-g.de)
Hobbies	bird watching, mountaineering, trekking, contemporary dance, ecological garden

Ettiswil, 30. December 2011

Fränzi Korner