

# Martin Boyer

## *Particulars*

---

**Martin René Boyer**  
Bodenackerstr. 12  
8112 Otelfingen  
Switzerland

*martinrboyer@gmail.com*  
*www.martinboyer.org*  
home: +41 44 844 18 66  
mobile: +41 78 606 08 05

Date of birth: May 8 1979

Marital status: single

Citizenship: Austrian

## *Short Profile*

---

- Sound research experience and theoretical knowledge of natural science
- Excellent networking and communication capacities
- Highly efficiency oriented
- Developed managerial skills
- Strongly developed artistic sense

## *Practical experiences*

---

- **2006 Web content project manager**  
*Newsletter design and CMS setup mainly for Microsoft (Beta Experience, TechNET and others), Web-page optimisation for Unilever brands, Consulting, Working highly accurately to tight deadlines, World-wide co-ordination of newsletter contents; Applying PRINCE2*  
Futurecom, Zürich, Switzerland
- **2005- to date Illustrations for scientific publication**  
*Literature Research, Conception, Design, 3d Modelling and Rendering*  
Published in **Nature, Science, Current Biology, Newsweek**
- **2005-2006 Researcher: EEG- and fMRI study on self-perception**  
*Literature research, Study design and conduction, Data analysis (Independent component analysis (ICA), Time/frequency analysis, Artifact rejection, Data visualization), Subject selection*  
Prof. Blanke, Laboratory of Cognitive Neuroscience, Brain Mind Institute, Federal Institute of Technology, Lausanne, Switzerland
- **2003-2004 Researcher: Field study in central Australia on desert ants**  
*Literature Research, Study design and conduction, Data analysis (Field density analysis, Circular vector deviation statistics, Data visualization), Publication*  
Resulted in Master Thesis | **Honour: 6 out of 6 possible.**  
Prof. Wehner, Institute of Zoology, University of Zürich; Prof. Martin, Institute of Neuroinformatics, Federal Institute of Technology and University of Zürich, Switzerland; CISRO, Alice Springs, Australia
- **2003 Researcher: Simulation of an ant's perception**  
*C++ and Silicon Graphics Performer programming, Methodology set-up, Study conduction*  
Prof. Wehner, Institute of Zoology, University of Zürich, Switzerland; Prof. Mallot, Chair of Cognitive Neuroscience, University of Tübingen, Germany

## Education

---

- 2006-2007 **Studies in Fine Arts | Studio of New Medias** Prof. M. Bielicky and Prof. M. Huemer  
Honours: Awarded highest grade  
Academy of Fine Arts, Prague, Czech Republic  
Focus on: *Serial conceptual photography, Kinetic sculpture, Video art, Programming*
- 2002-2005 **Studies in Neuroscience**  
Degree: Master of Science | Honours: Final Grade 5.14 out of 6 possible.  
Federal Institute of Technology, Zürich, Switzerland  
Focus on: *Visual System, Perception, Neurophilosophy, Behavioural Neuroscience*
- 2000-2002 **Studies in Biochemistry**  
Federal Institute of Technology, Zürich, Switzerland  
Focus on: *Organic, Inorganic and Physical chemistry, Cell physiology*
- 1996-2000 **Grammar School**  
Kantonschule Oerlikon, Zürich, Switzerland  
Focus on: *Modern languages: German, English, French and Spanish*

## Computer skills

---

Command of the following

- **Operating Systems:**  
Apple's OS X, Linux, Windows 9x, 2000, XP
- **Office Applications:**  
Word, Excel, PowerPoint, Access, Outlook, Acrobat Professional, Microsoft Newsletter and CMS applications, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>
- **Graphic Applications:**  
Photoshop, Illustrator, Indesign, Flash, Blender, Final Cut Pro
- **Programming Languages:**  
C++, HTML, SVG, CSS, PHP, Max|MSP|Jitter, Processing, SGI Performer

## Languages

---

- **German**  
Mother tongue.
- **English**  
Fluent (spoken and written). 6 months residence in Alice Springs, Australia, 2003/2004.
- **French**  
Fluent (spoken and written). 6 months residence in Lausanne, Switzerland, 2005/2006.
- **Spanish**  
Fluent (spoken and written). 6 months travelled through Central America, 2000. 8 months residence in Granada, Spain, 2004/2005.
- **Czech**  
2<sup>nd</sup> mother tongue, spoken fluently, written fair. 10 months residence in Prague, Czech Republic, 2006/2007.
- **Romanian**  
Spoken fluently, written fair. 2 months intensive summer course, Cluj-Napoca, Romania, 2003. Several journeys to Romania. 2-year Romanian language course, University of Zürich, Switzerland, 2002-2004.

## *Publications*

---

- **Science** Illustrations: Lenggenhager B, Blanke O et al. Video Ergo Sum: Manipulating Bodily Self-Consciousness 2007 Science 317, 5841 (24 August 2007) ([www.sciencemag.org](http://www.sciencemag.org))
- **Newsweek Poland** Illustrations: 11/2006 ([www.newsweek.pl](http://www.newsweek.pl))
- **Nature** Illustrations: Arzy S, Blanke O. Induction of An Illusory Shadow Person. 2006 Nature 443, 287 (21 September 2006) ([www.nature.com](http://www.nature.com))
- **Current Biology** Paper: Wehner R, Boyer M, et al. 2006. Ant Navigation: One-Way Routes Rather Than Maps. Current Biology, 16 (1), 75–79. ([www.current-biology.com](http://www.current-biology.com))
- **Master thesis** Boyer, M. 2004. Route recognition in the red honey ant *melophorus bagoti*

## *Interests*

---

- Photography, Fine Arts, Theatre, Cinema, Contemporary History
- Yoga practice (advanced level), Long distance running, Hiking
- Member of the Swiss Alpine Club (SAC)
- Sailing (Swiss Sailing Permit)
- Fashion photographer ([www.labellaestate.com](http://www.labellaestate.com))
- Extensive travel in the United States, Western Europe, Central Europe and in all states of Central America as well as Mexico.

## *References*

---

- Prof. Dr. Rüdiger Wehner  
Zoological Institut  
University of Zürich  
Winterthurerstrasse 190  
8057 Zürich  
Switzerland  
Tel: +41 44 635 48 31  
E-mail: [ruediger.wehner@zool.uzh.ch](mailto:ruediger.wehner@zool.uzh.ch)
- Prof. Michael Bielicky  
University of Arts and Design (HFG)  
Lorenzstrasse 15  
76135 Karlsruhe  
Germany  
Tel: +49 721 820 323 31  
E-mail: [mbielicky@hfg-karlsruhe.de](mailto:mbielicky@hfg-karlsruhe.de)
- Prof. Dr. Dr. Olaf Blanke  
Laboratory of Cognitive Neuroscience (LNCO)  
Brain-Mind Institute (BMI)  
Federal Institute of Technology (EPFL)  
1015 Lausanne  
Switzerland  
Tel: +41 21 693 96 21  
E-mail: [olaf.blanke@epfl.ch](mailto:olaf.blanke@epfl.ch)
- Thorsten-D. Künnemann  
Futurecom Interactive  
Hardturmstrasse 105  
8037 Zürich  
Switzerland  
Tel: +41 44 448 38 91  
E-mail: [tkuennemann@futurecom.ch](mailto:tkuennemann@futurecom.ch)