

Curriculum Vitae – Martin Zwierlein

Address: Massachusetts Institute of Technology
77 Massachusetts Avenue, Cambridge, MA 02139, USA
Tel.: (617) 324 4310; Fax: (617) 253 4876
E-Mail: ZWIERLEIN@MIT.EDU
Private: 2 Ware St., Apt. 308, Cambridge MA 02138
Tel.: (857) 413 9728

Personal: Born on November 5th, 1977 in Hamburg, Germany. German citizen.

Education:

- | | |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1998-1999 | University of Bonn, Germany: Physics pre-diploma (Vordiplom) |
| 1999-2002 | Ecole Normale Supérieure, Paris, France: Licence, Maîtrise, Diplôme d'Etudes
Approfondies de Physique Théorique (Diploma in Theoretical Physics) |
| 2001 | Research visit at the Massachusetts Institute of Technology (MIT), Cambridge,
USA, in the group of Wolfgang Ketterle. Research thesis: „Cooling and
Trapping a Bose-Fermi Mixture of Dilute Atomic Gases“ |
| 2002-2006 | Massachusetts Institute of Technology, Cambridge, USA, Ph.D. in Physics
Thesis: „High-Temperature Superfluidity in an Ultracold Fermi Gas“ <ul style="list-style-type: none">• Field of research: ultracold Fermi gases• Observation of High-Temperature Superfluidity:
Bose-Einstein condensation of molecules and fermion pairs, proof of
superfluidity via observation of quantized vortices in a rotating Fermi gas• Study of fermionic superfluidity with imbalanced spin populations |

Employment:

- | | |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1999-2002 | Fonctionnaire Stagiaire (Civil servant in training)
Ecole Normale Supérieure, Paris, France |
| 2003-2006 | Research Assistant with Prof. Wolfgang Ketterle, Department of Physics, MIT,
Cambridge |
| 2006-2007 | Research Associate with Prof. Immanuel Bloch
Johannes Gutenberg-University of Mainz, Germany |
| 2007-present | Assistant Professor of Physics, Department of Physics, MIT, Cambridge <ul style="list-style-type: none">• Research area: atomic physics, laser spectroscopy, studies of ultracold gases• Techniques: laser cooling, magnetic and optical trapping of multiple atomic
species, sympathetic cooling, Feshbach resonances, optical lattices• Creation of model systems for condensed matter and nuclear physics• Exploration of novel forms of matter using quantum mixtures of ultracold
atoms |

Honors and Awards:

Fellowship of the Studienstiftung des deutschen Volkes (1998 – 2002)
Elève de l'Ecole Normale Supérieure (1999 – 2003)
Praecis Presidential Fellow, MIT (2002 – 2003)
Martin Deutsch Prize for Excellence in Experimental Physics, MIT (2004)
Sofja Kovalevskaja-Award of the Alexander von Humboldt-Stiftung (2006, research prize for funding a research group in Germany, 1.2 Mio € declined)
Finalist for the DAMOP 2007 thesis award of the American Physical Society
Klung-Wilhelmy-Weberbank Prize (2007)
Alfred P. Sloan Fellow (2008-2010)

Memberships:

German Physical Society
American Physical Society
European Physical Society