



**Join Date:**  
14 August 2009

**Group webpage:**  
[qmatter.quantumlah.org](http://qmatter.quantumlah.org)

**Ph.D. (2001) :**

University of Amsterdam, The Netherlands

**Postdoctoral Experience:**

2001-2003: Postdoctoral Fellow (Ketterle Group), Massachusetts Institute of Technology, USA

2003-2009: Scientific Assistant (Hänsch Group), Ludwig-Maximilians-University of Munich, Germany

**Research Areas:**

Experimental Quantum Optics and Atomic Physics

- Degenerate Bose and Fermi gases / molecular quantum gases
- Atom interferometry
- Laser cooling

**Achievements:**

- Two dimensional magneto-optical trap as efficient beam source
- First degenerate Bose-Gas in the hydrodynamic regime
- Contrast atom interferometry with Bose-Einstein condensate
- First degenerate Fermi gas in strongly interacting many-body regime
- First ultracold bosonic heteronuclear molecules

**Goals:**

- Fermions in 2D optical lattices
- Dipolar quantum gas of ground state polar molecules