

**Education University:**

2001-2006 Universität Hannover

**Highest degree:**

Diplom-Biologe

**Major Subjects:**

Biophysics

**Projects/Research:**

Motor Mechanics of Cytoplasmic Dynein

**First name:****Walter****Last name:****Wilhelm****Date of birth:****04.04.1982****Country:****Austria****E-mail:****walter.wilhelm@mh-hannover.de****Supervisor:****PD Dr. W. Steffen****Molecular and Cell****Physiology****Scientific Interests and Goals:**

Molecular motors like cytoplasmic dynein are the heart of almost all biological transport processes, whether in organized structures, such as in muscles and axonemes or acting in isolation to move single sub-micron-sized cargo. There are many diseases linked to mutations in molecular motors and an understanding of the molecular interaction during the force-generating cycle is still at an elementary stage. That is why I will try to find out more about cytoplasmic dynein's motor mechanics.

**Scholarships:**

Travel grant of the Boehringer Ingelheim Fonds (2007)

**Publications:**

Bintig, Baumgart, **Walter**, Heisterkamp, Lubatschowski, and Ngezahayo

Purinergic signalling in rat GFSHR-17 granulosa cells: an in vitro model of granulosa cells in maturing follicles. *J Bioenerg Biomembr* 2009 Feb 4. [Epub ahead of print]

**Walter**, Zeilinger, Bintig, Kolb, and Ngezahayo Phosphorylation in C-Terminus of the Rat Connexin46 (rCx46) and Regulator of the Conducting Activity of the Formed Connexons. *J Bioenerg Biomembr*. 2008 Aug;40(4):397-405