

9 Curriculum Vitae

PERSONAL DETAILS

Name: Helmar Waiczies
Title: Dipl. Chem.
Date of Birth: 5th December, 1973
Gender: male
Marital Status: married
Nationality: german
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Germany



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ACADEMIC DEGREES

(2001) **Chemie Diplom** (Dipl. Chem.)
Institute of Chemistry, Physical and Theoretical Chemistry,
Freie Universität Berlin

UNIVERSITIES

1993-2004

Freie Universität Berlin

(1993-1996)

Vordiplom in chemistry

Institute of Chemistry, Freie Universität Berlin

(1996-1998) -

Chemie Diplom (Dipl. Chem.)

(1999-2001)

Institute of Chemistry, Physical and Theoretical Chemistry,
Freie Universität Berlin

Supervisor: Prof. Dr. K.M. Weitzel (Phillips Universität
Marburg)

(2001-2004)

PhD – Dr. rer. nat.

Institute of Chemistry, Physical and Theoretical Chemistry,
Freie Universität Berlin

Supervisor: Prof. Dr. K.M. Weitzel (Phillips Universität
Marburg)

(submitted)

TECHNICAL SKILLS

Laboratory skills:

(1993 – 1996)

- ♦ inorganic and organic chemistry
- ♦ exchiral-pool synthesis
- ♦ retro-synthesis
- ♦ metal-organic synthesis (Nb-R)
- ♦ NMR (C, H, Nb)
- ♦ mass spectroscopy

TECHNICAL SKILLS**Laboratory skills:**

- (1996 – 2001)
- ♦ ultra-high-vacuum techniques
 - ♦ Dye- und Excimer-Laser systems
 - ♦ REMPI-Laser-Spectroscopy
 - ♦ HPLC
 - ♦ GC-MS
 - ♦ data acquisition (IGOR PRO)
- (2001 – 2004)
- ♦ construction of an ultra-high-vacuum machine
 - ♦ guided-ion-beam-techniques
 - ♦ state selective ion-preparation in gas phase
 - ♦ Ion-molecule-reactions
 - ♦ mass spectroscopy
 - ♦ data acquisition (LabVIEW)

Computer skills:

- ♦ MS Word, MS Excel, MS PowerPoint
- ♦ Adobe Acrobat, PhotoShop, Paint Shop , Corel Draw
- ♦ Reference Manager
- ♦ AutoCAD, LabVIEW, Igor Pro, OriginPro
- ♦ MathCAD, Simion3D
- ♦ Pascal, Fortran, Molecular Modeling
- ♦ webpage design
- ♦ Windows und Linux system- and network-administration
- ♦ assembly and repair of computer systems (PC)

Languages

German excellent spoken and written (mother tongue)

English excellent spoken and written

WORK EXPERIENCE

Teaching Experience

(1997-2001) Tutor in inorganic chemistry, Freie Universität Berlin

Civilian Service

(9.1998 – 10.1999) Univ. Med. Centre Benjamin Franklin - Freie Universität Berlin
Hindenburgdamm 30
12200 Berlin
Dept. of Gynecology & Obstetrics, Dr. S. Nigam
Eicosanoid & Lipid Research Division

RESEARCH Experience

(1997) Fraunhofer-Gesellschaft e.V., München
Fhi for Reliability of Microintegration, Berlin

PARTICIPATION AT INTERNATIONAL CONFERENCES**1. Bunsentagung 2001, Stuttgart****PUBLICATIONS:****ARTICLES**

1. Pattabhiraman Shankaranarayanan, Mark Sutherland, Helmar Waiczies, Tankred Schewe, Santosh Nigam. **Novel aspects related to biosynthesis and biological actions of Hepoxilines: Interrelationship with Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx)**, *Medical Science Symposia Series (2001)*, 16 (*Advances in Prostaglandin and Leukotriene Research*), 25-29

ABSTRACTS OF POSTER/ORAL PRESENTATION

1. **Helmar Waiczies**, Markus Malow, Klaus Brembs, Martin Penno, Karl-Michael Weitzel, Ionen-Molekül-Reaktionen zustandsselektierter HCl^+ und HBr^+ Ionen, Bunsentagung 2001, Stuttgart
2. Stefan Athenstedt, **Helmar Waiczies**, Dieter Gerlich und Karl-Michael Weitzel **Ionen-Molekül-Reaktionen zustandsselektierter Ammoniak-Isotopomere**, DPG-Tagung 2003, Hannover
3. **Helmar Waiczies**, Marcus Malow, Klaus Brembs, and Karl-Michael Weitzel, **Ion-molecule Reactions of State Selected HCl^+ and HBr^+ Ions**, 5th Int'l Conference on Chemical Kinetics, 2001, Gaithersburg, MD 20899 USA

REFEREES

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