

professional career

- 11/2017 – 12/2021 **Mannheim Medical Faculty of the University of Heidelberg**
- Laboratory head (official since 7/2020).
 - Cancer research: alpha-therapy and multimodal imaging.
 - Detailed: Synthesis of peptides, NIR dyes and conjugates. Labelling of molecules using radioactive isotopes, in vivo/vitro; in silico.
 - Responsible for HPLC & MALDI-TOF/ESI/Xtreme and a lot more.
- 11/2013 – 12/2016 **University Stuttgart PI1 & FMQ**, Research assistant
- Research in solid state physics: thermoelectric & magnetic materials, organic superconductors, detection of light-induced phenomena.
 - Financial and organizational administration of FMQ3 (quantum materials) and acquisition of third-party funds.
 - Teaching: Lectures, exercises & supervision Master and Bachelor theses.
- 02/2013 – 07/2013 **FEM Schwäbisch Gmünd**, Research assistant
- Analysis & development of inks based on nanoparticles.
- 01/2011 – 12/2012 **FKF Max-Planck-Institute Stuttgart**, Research assistant
- Research in solid state chemistry: Development of new battery materials and their analysis, electrocrystallization, metastable ozonides and their chemistry.
- 01/2008 – 12/2010 **University Stuttgart IAC**, Research assistant
- Research in bioinorganic chemistry: Preparation of a dissertation and scientific publications.
 - Supervision of internships (including instrumental analysis), research and diploma theses.
- 04/2001 – 12/2007 **University Stuttgart**, Student assistant
- Research: AK Gießelmann, Liquid crystals.
 - Fehling- Student laboratory.
 - Assistant in the Qualitative & Quantitative Internship and Advanced Inorganic Chemistry and Analytics Internships.

Doctorate, diploma thesis & studies

- 01/2008 – 12/2010 **Doctorate**
- Title of the dissertation: „*Elektronentransferverhalten von redoxaktiven Übergangsmetallkomplexen*“ at Prof. Dr. W. Kaim.
- Completion of the dissertation with *magna cum laude* defended on 22.06.2011.
- 06/2007 – 12/2007 **Diplomthesis**
- Title of the diploma thesis: „*Elektrochemische, spektroskopische und strukturelle Untersuchungen des Platins, Palladiums und Rutheniums mit einem O,N,S-kordinierenden non-innocent Chelatliganden*“ at Prof. Dr. W. Kaim. Award of the diploma thesis with the prize of the Friends of the Universität Stuttgart for special scientific achievements.

10/2000 – 05/2007 **Study of chemistry (diploma)**

Priorities:

- physical, organic and inorganic chemistry
- textile and fibre chemistry
- technical chemistry
- instrumental analytica
- biochemistry
- theoretical chemistry
- hazardous substances law und toxicology.

School & Education

10/1997 – 06/2000 A-levels at Kolping College in Stuttgart.
08/1996 – 09/1997 Civil service at Haus Lindenhof in Schwäbisch Gmünd.
10/1995 – 06/1996 Advanced technical college entrance qualification at the Agnes von Hohenstaufen School.
10/1993 – 07/1995 Training as chemical technical assistant.

Other employment relationships

2003 – 2010 MS Wissenschaft, exhibition support (Lotze) & construction and dismantling within the framework of the BMBF Federal Ministry of Education and Research (Berlin) and Wissenschaft im Dialog (Berlin) and Kunstraum GfK GmbH (Hamburg).
from 1996 – 2010 Various activities in side jobs: among others object and art design Kuba-West GmbH (Hamburg), beer garden Schwaneninsel (Waiblingen), Leitz (Stuttgart), pet shop Porsche (Stuttgart).

Additional qualifications

Computer skills MS Office, Microsoft Windows, Linux, OS X, Origin, Matlab, Labview
Language skills German (mother tongue), English (business fluent), French & Polish (rudimentary)
Methods among others: Electrochemical & spectroscopic methods, spectroelectrochemistry, MPMS & PPMS systems, X-ray structure analysis (powder & single crystal), instrumental analytical methods and separation procedures (HPLC, chromatography), DFT simulations, literature search
Publications Author and co-author of 50peer-reviewed scientific articles with a total of close to 600 citations (h-index = 14)
Hobbies food, football, cycling, chess



Dr. Ralph Hübner