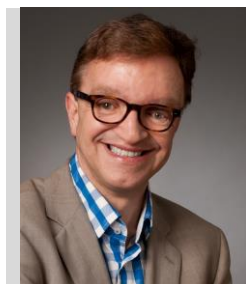


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## GENERAL INFORMATION



**Senior Scientist**  
German Cancer Research Center (DKFZ)  
Clinical Cooperation Unit Neurooncology  
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## ACADEMIC EDUCATION & QUALIFICATION

| Year(s)   | Education  |
|-----------|--|
| 1992      | Diplom degree in chemistry (Dipl.-Chem.) RWTH Aachen University                          |
| 1983-1992 | Study of chemistry, RWTH Aachen University, with focus on polymer- and protein chemistry |

## SCIENTIFIC EDUCATION & QUALIFICATION

| Year(s) | Education   |
|---------|---|
| 2000    | Doctoral thesis, Department of Biochemistry at the Goethe University of Frankfurt/Main (supervisor: Prof. Dr. Dr. Hugo Fasold). Experimental research was done at the Goethe University Hospital in Frankfurt, Clinical Unit Experimental Anesthesiology (head and supervisor: Prof. Dr. med. H. Förster) about the development and analysis of carbohydrate polymers used for blood plasma substitution. |

## PROFESSIONAL EXPERIENCE

| Year(s)       |  |
|---------------|--|
| Since 12/2019 | Researcher at the German Cancer Research Center in Heidelberg, Clinical Cooperation Unit Neurooncology (head: Prof. Dr. W. Wick)   |
| 2003-11/2019  | Researcher at the German Cancer Research Center in Heidelberg, Functional Protein Analysis Unit B100 and Protein Analysis Core Facility W120 (head: Dr. Martina Schnölzer) |
| 2002-2003     | Head of the Anesthesiology Research Laboratory, Goethe University Hospital Frankfurt/Main  |
| 1993-2002     | Researcher at the Goethe University Hospital in Frankfurt, Clinical Unit Experimental Anesthesiology (head: Prof. Dr. Harald Förster)                                      |
| 1992-1993     | Postgraduate at the Helmholtz-Institute of Biomedical Engineering, RWTH Aachen University  |

## SELECTED PUBLICATIONS

- Kessler T, Latzer P, Schmid D, **Warnken U**, Saffari A, Ziegler A, Kollmer J, Möhlenbruch M, Ulfert C, Herweh C, Wildemann B, Wick W, Weiler M. Cerebrospinal fluid proteomic profiling in nusinersen-treated patients with spinal muscular atrophy. *J Neurochem*. 2020 Jan 6:e14953. doi: 10.1111/jnc.14953
- Canet-Pons J, Schubert R, Duecker RP, Schrewe R, Wölke S, Kieslich M, Schnölzer M, Chiochetti A, Auburger G, Zielen S, **Warnken U**. Ataxia telangiectasia alters the ApoB and reelin pathway. *Neurogenetics*. 2018 Dec;19(4):237-255
- Sciuto MR, **Warnken U**, Schnölzer M, Valvo C, Brunetto L, Boe A, Biffoni M, Krammer PH, De Maria R, Haas TL. Two-Step Coimmunoprecipitation (TIP) Enables Efficient and Highly Selective Isolation of Native Protein Complexes. *Mol Cell Proteomics*. 2018 May; 17(5):993-1009
- Haas TL, Sciuto MR, Brunetto L, Valvo C, Signore M, Fiori ME, di Martino S, Giannetti S, Morgante L, Boe A, Patrizii M, **Warnken U**, Schnölzer M, Ciolfi A, Di Stefano C, Biffoni M, Ricci-Vitiani L, Pallini R, De Maria R. Integrin  $\alpha 7$  Is a

- Functional Marker and Potential Therapeutic Target in Glioblastoma. *Cell Stem Cell*. 2017 Jul 6;21(1):35-50.e9. doi: 10.1016/j.stem.2017.04.009. Epub 2017 Jun 9. *Cell Stem Cell*. 2017 Jul 6;21(1):35-50
5. Winter M, Dokic I, Schlegel J, **Warnken U**, Debus J, Abdollahi A, Schnölzer M. Deciphering the Acute Cellular Phosphoproteome Response to Irradiation with X-rays, Protons and Carbon Ions. **Mol Cell Proteomics**. 2017 May;16(5):855-872
  6. Schroeder A, **Warnken U**, Röth D, Klika KD, Vobis D, Barnert A, Bujupi F, Oberacker T, Schnölzer M, Nicolay JP, Krammer PH, Gülow K. Targeting Thioredoxin-1 by dimethyl fumarate induces ripoptosome-mediated cell death. **Sci Rep**. 2017 Feb 24;7:43168
  7. Gebert J, Schnölzer M, **Warnken U**, Kopitz J. Combining Click Chemistry-Based Proteomics With Dox-Inducible Gene Expression. **Meth. Enzymol**. 2017;585:295-327
  8. Schleich K, Buchbinder JH, Pietkiewicz S, Kähne T, **Warnken U**, Öztürk S, Schnölzer M, Naumann M, Krammer PH, Lavrik IN. Molecular architecture of the DED chains at the DISC: regulation of procaspase-8 activation by short DED proteins c-FLIP and procaspase-8 prodomain. **Cell Death Differ**. 2016 Apr;23(4):681-94
  9. **Warnken U**, Schleich K, Schnölzer M, Lavrik I. Quantification of High-Molecular Weight Protein Platforms by AQUA Mass Spectrometry as Exemplified for the CD95 Death-Inducing Signaling Complex (DISC). **Cells**. 2013 Jun 27;2(3):476-95
  10. Schleich K, **Warnken U**, Fricker N, Öztürk S, Richter P, Kammerer K, Schnölzer M, Krammer PH, Lavrik IN. Stoichiometry of the CD95 death-inducing signaling complex: experimental and modeling evidence for a death effector domain chain model. **Mol Cell**. 2012 Jul 27;47(2):306-19
  11. Gerlach B, Cordier SM, Schmukle AC, Emmerich CH, Rieser E, Haas TL, Webb AI, Rickard JA, Anderton H, Wong WW, Nachbur U, Gangoda L, **Warnken U**, Purcell AW, Silke J, Walczak H. Linear ubiquitination prevents inflammation and regulates immune signalling. **Nature**. 2011 Mar 31;471(7340):591-6

## PATENTS

- “Methods for a quantitative release of biotinylated peptides and proteins from streptavidin complexes” (WO2016120247)
- “Organic compositions for cell lysis and quantitative recovery of total RNA” (WO2015110645A1)
- “Calcium absorbent” (WO2000016894A1)