

**Prof. Dr. med. NORBERT WEIDNER****1) General information**

Date of birth: 5 April, 1966  
 Gender: Male  
 Address: Heidelberg University Hospital  
 Spinal Cord Injury Center  
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 Germany  
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 Position: Director and Chair, Spinal Cord Injury Center  
 Children: Four (\* 2001, \*2003, \*2007, \*2007)  
 Parental leave, if applicable: None

**2) University training and degree**

1986 - 1993 Medical School, University of Würzburg, Germany

**3) Advanced academic qualifications**

2005 Habilitation and Venia legendi in Neurology, Mentor: Prof. Bogdahn, Dept. of Neurology, Regensburg University Hospital, Germany  
 1995 Doctoral Dissertation in Neurology, Mentor: Prof. Krauseneck, Julius-Maximilian University of Würzburg, Germany

**4) Postgraduate professional career**

Since 2009 Chair, Spinal Cord Injury Center, Heidelberg University Hospital  
 2007 - 2009 Head, out-patient clinic for movement disorders and motoneuron diseases, Department of Neurology, University of Regensburg, Germany  
 2007 - 2009 Head, teaching curriculum clinical neurosciences, International Elite Master's Programme in Experimental/Clinical Neurosciences, University of Regensburg  
 2005 - 2006 Head, telemedicine project TEMPIS, Department of Neurology, University of Regensburg  
 2004 - 2009 Attending physician, Department of Neurology, University of Regensburg, Germany, Prof. U. Bogdahn  
 2001 - 2002 Scientific Exchange Program, University of California, San Diego, USA, Prof. M.H. Tuszynski  
 1999 - 2004 Staff scientist/resident, Department of Neurology, University of Regensburg, Germany, Prof. U. Bogdahn  
 1996 - 1999 Postdoctoral fellow, Department of Neurosciences, University of California, San Diego, USA, Prof. M.H. Tuszynski  
 1995 - 1996 Clinical resident, Department of Neuropathology, University of Heidelberg, Germany, Prof. M. Kiessling  
 1993 - 1995 Resident First Year, Department of Neurology University of Würzburg, Germany, Prof. K.V. Toyka

## 5) Other

### Awards and honors

2002	Stipend ReForM-Program University of Regensburg
2000	Stipend International Institute for Research in Paraplegia
2001	Award Bavaria California Technology Center
2001	Research Award German Paraplegia Foundation DSQ
1996	Stipend Canadian Spinal Research Organisation

### Panels and coordinating functions:

Since 2022	President Deutschsprachige Medizinische Gesellschaft für Paraplegiologie (DMGP)
2019 - 2020	Speaker, Center for Orthopedic Surgery, Trauma Surgery, and Spinal Cord Injury, Heidelberg University Hospital
Since 2012	Chair Clinical Practice Guidelines Deutschsprachige Medizinische Gesellschaft für Paraplegiologie (DMGP)
2016	Coordinating Investigator, Clinical Trial “Antibodies against Nogo-A to enhance plasticity, regeneration and functional recovery after acute spinal cord injury

### Editorial boards

Since 2018	Neurological Research and Practice
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## 6) Publications

### A)

- Franz, S., U. Eck, C. Schuld, L. Heutehaus, M. Wolf, E. Wilder-Smith, W. Schulte-Mattler, M.A. Weber, R. Rupp, and N. Weidner, Lower Motoneuron Dysfunction Impacts Spontaneous Motor Recovery in Acute Cervical Spinal Cord Injury. **Journal of Neurotrauma**, 2022.
- Franz, S., L. Rust, L. Heutehaus, R. Rupp, C. Schuld, and N. Weidner, Impact of Heterotopic Ossification on Functional Recovery in Acute Spinal Cord Injury. **Frontiers Cellular Neuroscience**; **16**: p. 842090, 2022.
- Hug, A., A. Bernini, H. Wang, A. Lutti, J.M.E. Jende, M. Bottinger, M.A. Weber, N. Weidner and S. Lang, In chronic complete spinal cord injury supraspinal changes detected by quantitative MRI are confined to volume reduction in the caudal brainstem. **Neuroimage Clinical**; **31**: p. 102716, 2021.
- Sliwinski C, Nees TA, Puttagunta R, Weidner N, Blesch A. Sensorimotor Activity Partially Ameliorates Pain and Reduces Nociceptive Fiber Density in the Chronically Injured Spinal Cord. **Journal of Neurotrauma**; **35**(18):2222-2238, 2018.
- Sandner B, Puttagunta R, Motsch M, Bradke F, Ruschel J, Blesch A, Weidner N. Systemic epothilone D improves hindlimb function after spinal cord contusion injury in rats. **Experimental Neurology**; **306**:250-259, 2018.
- Warner FM, Cragg JJ, Jutzeler CR, Rohrich F, Weidner N, Saur M, Maier DD, Schuld C, Curt A, Kramer JK. Early Administration of Gabapentinoids Improves Motor Recovery after Human Spinal Cord Injury. **Cell Reports**; **18**(7):1614-1618, 2017.

Nees TA, Tappe-Theodor A, Sliwinski C, Motsch M, Rupp R, Kuner R, Weidner N, Blesch A. Early-onset treadmill training reduces mechanical allodynia and modulates calcitonin gene-related peptide fiber density in lamina III/IV in a mouse model of spinal cord contusion injury. **Pain**; 157(3):687-697, 2016.

Ruschel J, Hellal F, Flynn KC, Dupraz S, Elliott DA, Tedeschi A, Bates M, Sliwinski C, Brook G, Dobrindt K, Peitz M, Brustle O, Norenberg MD, Blesch A, Weidner N, Bunge MB, Bixby JL, Bradke F. Axonal regeneration. Systemic administration of epothilone B promotes axon regeneration after spinal cord injury. **Science**; 348(6232):347-352, 2015

Prang P, Muller R, Eljaouhari A, Heckmann K, Kunz W, Weber T, Faber C, Vroemen M, Bogdahn U, Weidner N. The promotion of oriented axonal regrowth in the injured spinal cord by alginate-based anisotropic capillary hydrogels. **Biomaterials**; 27(19):3560-3569, 2006.

Weidner N, Ner A, Salimi N, Tuszynski MH. Spontaneous corticospinal axonal plasticity and functional recovery after adult central nervous system injury. **Proc Natl Acad Sci U S A**; 98(6):3513-3518, 2001.

**B) other publications:** -

**C) Patents:** -

