

Prof. Dr.-Ing. RÜDIGER RUPP**1) General information**

Date of birth: 14 May, 1969
 Gender: Male
 Address: Heidelberg University Hospital
 Spinal Cord Injury Center
 Section Experimental Neurorehabilitation
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 Position: Professor for Assistive Neurotechnology (W3),
 Head of Section Experimental Neurorehabilitation
 Children: Two (* 1997, * 2000)
 Parental leave, if applicable: None

2) University training and degree

1994 Diploma in Electrical Engineering with specialization on Biomedical Engineering
 1988 - 1994 Studies in Electrical Engineering, Technical University, Karlsruhe, Germany

3) Advanced academic qualifications

2018 Habilitation and Venia legendi in Experimental Neurology, Mentor: Prof. Dr. N. Weidner, Spinal Cord Injury Center, Heidelberg University Hospital, Heidelberg, Germany
 2008 Doctoral dissertation in Electrical Engineering, Mentors: Prof. Dr. G. Vossius and Prof. Dr. O. Dössel, Institute for Biomedical Engineering, Karlsruhe Institute of Technology, Karlsruhe, Germany; Prof. Dr. H.J. Gerner, Orthopedic University Hospital, Heidelberg, Germany

4) Postgraduate professional career

Since 2021 W3 (Full) Professor for Assistive Neurotechnology, Medical Faculty of Heidelberg, Heidelberg University, Germany
 Since 2010 Head of Experimental Neurorehabilitation (since 2016 section), Spinal Cord Injury Center, Heidelberg University Hospital, Heidelberg University, Germany
 Since 1996 Head of Research Orthopädie II, Stiftung Orthopädische Universitätsklinik Heidelberg, Germany

5) OtherAwards and honours:

2021 Fellow of the American Spinal Injury Association (ASIA)
 2021 Co-author of the presentation awarded with the Friedrich-Wilhelm-Meinecke Award of the German-speaking Medical Spinal Cord Injury Society (DMGP)
 2018 Friedrich-Wilhelm-Meinecke Award of the German-speaking Medical Spinal Cord Injury Society (DMGP)

2016	Co-author of the publication awarded with the pain research award of the German pain society (DGSS)
2015	Friedrich-Wilhelm-Meinecke Award of the German-speaking Medical Spinal Cord Injury Society (DMGP)
2013	Best platform presentation of the International Spinal Cord Society (ISCoS)
2010	Poster award of the German Society for Neurorehabilitation (DGNR)
2008	Konrad-Biesalski award of the German Society for Orthopedics and orthopedic Surgery (DGOOC)
2008	Innovation award of the German Foundation Spinal Cord Injury (DSQ)
2005	Co-author of the publication awarded with the Ludwig-Guttmann award from the German-speaking Medical Spinal Cord Injury Society
2005	Innovation award for promotion of medical technology of the German Federal Ministry of Education and Research (BMBF)

Panels and coordinating functions:

Since 2022	Member of the Board of Directors of the American Spinal Injury Association (ASIA)
Since 2021	Member of the Ethics Committee of Heidelberg University
Since 2018	Board of Directors of the German Foundation Spinal Cord Injury (Deutsche Stiftung Querschnittlähmung, DSQ)
Since 2017	Chair of the International Standards Committee of the American Spinal Injury Association (ASIA)
Since 2016	Chair of the Ludwig-Guttmann Award Nomination Committee of the German-speaking Medical Spinal Cord Injury Society (DMGP)
Since 2011	Extended Board of Directors and Scientific Advisory Board of the German-speaking Medical Spinal Cord Injury Society (Deutschsprachige Medizinische Gesellschaft für Paraplegiologie, DMGP)
Since 2011	Chair of the Working group EMSCI in the German-speaking Medical Spinal Cord Injury Society (DMGP)

Reviewing Boards:

Several Ad-hoc reviewing boards for Deutsche Forschungsgemeinschaft (DFG), German Federal Ministry of Education and Research (BMBF), European Research Council (ERC), Alexander von Humboldt-Foundation (AvHS), Dutch Technology Foundation (STW), Swiss National Science Foundation (SNSF), German Academic Exchange Service (DAAD), International Spinal Research Trust (ISRT)

Editorial boards:

Since 2020	Associate Editor Spinal Cord
2016 - 2020	Editorial Board Spinal Cord
Since 2013	Editorial Board Medical Engineering and Physics
Since 2013	Scientific Board Orthopädietechnik

6) Publications

A)

- Bourguignon L., Tong B., Geisler F., Schubert M., Röhrich F., Saur M., Weidner N., Rupp R., Kalke Y.-B., Abel R., Maier D., Grassner L., Chhabra H.S., Liebscher T., Cragg J.J. EMSCI study group, Kramer J., Curt A., Jutzeler C.R.: International surveillance study in acute spinal cord injury confirms viability of multinational clinical trials. **BMC Med**; 20, 225, 2022.
- Stausberg J., Harkener S., Jenetzky E., Jersch P., Martin D., Rupp R., Schönthaler M.: FAIR and Quality Assured Data - The Use Case of Trueness. **Stud Health Technol Inform**; 14;289:25-28, 2022.
- Rupp R., Jersch P., Schuld C., Schweidler J., Benning N.-H., Knaup-Gregori P., Aach M., Badke A., Hildesheim A., Maier D., Weidner N., Saur M.: Das deutschlandweite, webbasierte ParaReg-Register zur lebenslangen Dokumentation von Querschnittgelähmten – Datenmodell, rechtlich-ethische Voraussetzungen und technische Implementierung, **Das Gesundheitswesen**; 83, Suppl. 1, 2021.
- Rupp R., Biering-Sørensen F., Burns S.P., Graves D.E., Guest J., Jones L., Schmidt Read M., Rodriguez G.M., Schuld C., Tansey K.E., Walden K., Kirshblum S.: International Standards for Neurological Classification of Spinal Cord Injury: Revised 2019. **Top Spinal Cord Inj Rehabil**; 27(2):1-22, 2021.
- Schuld C., Franz S., van Hedel H.J.A., Moosburger J., Maier D., Abel R., van de Meent H., Curt A., Weidner N., EMSCI study group, Rupp R.: International standards for neurological classification of spinal cord injury: classification skills of clinicians versus computational algorithms, **Spinal Cord**; 53(4), 324-31, 2015.
- Tanadini L.G., Steeves J.D., Hothorn T., Abel R., Maier D., Schubert M., Weidner N., Rupp R., Curt A.: Identifying Homogeneous Subgroups in Neurological Disorders: Unbiased Recursive Partitioning in Cervical Complete Spinal Cord Injury, **Neurorehabil Neural Repair**; 28(6), 507-515, 2014.
- Schuld C., Wiese J., Hug A., Putz C., van Hedel H.J., Spiess M.R., Weidner N., EM-SCI Study Group, Rupp R.: Computer Implementation of the International Standards for Neurological Classification of Spinal Cord Injury for Consistent and Efficient Derivation of its Subscores including Handling of Data from not Testable Segments, **J Neurotrauma**; 29(3), 453-61, 2012.

B) other publications:

Textbooks:

Weidner N., Rupp R., Tansey K.: Neurological aspects of spinal cord injury, Springer International Publishing, Cham, Switzerland, 2017.

G. R. Müller Putz, Rupp R.: Neuroprosthetics and Brain-Computer Interfaces in Spinal Cord Injury, Springer International Publishing, Cham, Switzerland, 2021.

C) Patents:

Granted:

Dietz V., Colombo G., Rupp R.: Device and Method for Locomotion therapy, International Patent, Publication number EP11690036.

Hofer E.P., Knestel M., Rupp R.: Mechanismus, Vorrichtung und Verfahren zur Erzeugung von physiologischen Kraftsignalen für die Stimulation der unteren Extremitäten, European Patent, Publication number EP000001959909A1.