

## Rolke, Roman, Univ-Prof. Dr. med.

(PI subproject on 'in-depth extended phenotyping and neuromodulation using matrix stimulation')

**Research Topics:** Quantitative sensory testing (QST) in chronic pain syndromes, neuropathic cancer pain, translational aspects of pain medicine, PAIN in palliative care situations, palliative care for neurological patients, neuromodulation using matrix stimulation



Department of Palliative Medicine, RWTH Aachen University

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### PERSONAL INFORMATION

Name Rolke, Roman, Univ.-Prof. Dr. med.  
Born August 29, 1969  
Address Department of Palliative Medicine,  
Medical Faculty RWTH Aachen University,  
Pauwelsstrasse 30, 52074 Aachen, Germany  
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### PROFESSIONAL POSITIONS

05/2014- Chair and Director, Department of Palliative Medicine,  
Medical Faculty RWTH Aachen University, Aachen, Germany  
2014- Vice-president Clinical Ethics Committee, Medical Faculty RWTH Aachen  
University  
2011-2014 Assistant Medical Director, Senior Physician, working with Prof. Radbruch,  
Department of Palliative Medicine, University of Bonn, Germany  
2007-2009 Research and Clinical Fellow, Palliative Care Unit, Department of  
Hematology, University of Mainz, Germany, working with Prof. Weber  
2004-2005 Research and Clinical Fellow, Pain Center, Department of Anaesthesiology,  
University of Mainz, Germany, working with Prof. Jage  
2002-2003 Research Fellow, Institute of Physiology and Pathophysiology, University of  
Mainz, Germany, working with Prof. Treede, Neurophysiology Group  
1999-2011 Research and Clinical Fellow, Department of Neurology, University of Mainz,  
Germany

### DEGREES

2001 Doctor Medicinae, University of Mainz, Germany  
2012 Habilitation, Privatdozent Dr. med. habil., University of Mainz, Germany

### AWARDS, RECOGNITION, ETC

2012 Awarded the Price for Best Improvement in Teaching (6.000 €), University Bonn.  
2010 Co-awarded the 2nd Price (3.500 €) for Clinical Pain Research, German Pain  
Association  
2009 Co-awarded the 2nd Price (3.500 €) for Clinical Pain Research, German Pain  
Association  
2007 Awarded the 1st Price (7.000 €) for Clinical Pain Research, German Pain  
Association  
2006-2008 Top 10 Cited Paper Award of the Journal PAIN  
2006-2008 Top 10 Cited Paper Award of the Journal European Journal of Pain  
2006 Co-awarded the European Price for Anaesthesiology in Dentistry together with  
Pfau D, Daubländer M, Rolke R and Treede, 11th International Dental Congress  
on Modern Pain Control, Yokohama, Japan, 2006  
2004-2005 Awarded 4 different Poster Prizes at the National Congresses of the German  
Neurological and Pain Societies

## SELECTED RESEARCH GRANTS

- 2017-2019 APVEL – Evaluation ambulante Palliativversorgung in Nordrhein – PI of the consortium, total grant 1.17 Mio Euros, Innovation Funds grant ID 01VSF16007
- 2018-2023 EPCOG – Early Integration of Palliative Care in Glioblastoma Study Center Aachen, Lead Cologne, BMBF grant
- 2019-2021 OpTEAMal – a dual learning concepts for undergraduates, Robert Bosch Foundation
- 2019 Grünenthal Foundation for Palliative Medicine

## MOST IMPORTANT PUBLICATIONS

1. Mücke M, Tils M, Conrad R, Kravchenko D, Cuhls H, Radbruch L, ..., **Rolke R**. Matrix stimulation in cancer pain: Methodology, safety and effectiveness. *Eur J Pain*. 2018;22(1):58-71.
2. Fallon M, Giusti R, Aielli F, Hoskin P, **Rolke R**, Sharma M, et al. Management of cancer pain in adult patients: ESMO Clinical Practice Guidelines. *Ann Oncol*. 2018;29(Supplement\_4):iv166-iv91.
3. Mücke M, Schulze H, Radbruch L, Marinova M, Cuhls H, Kravchenko D, ..., **Rolke R**. Neuromodulation using matrix stimulation : A treatment for acute pain?. *Schmerz*. 2017;31(6):594-600.
4. Mulvey MR, **Rolke R**, Klepstad P, Caraceni A, Fallon M, Colvin L, et al. Confirming neuropathic pain in cancer patients: applying the NeuPSIG grading system in clinical practice and clinical research. *Pain*. 2014;155(5):859-63.
5. Mücke M, Cuhls H, Radbruch L, Weigl T, ..., **Rolke R**. Evidence of heterosynaptic LTD in the human nociceptive system: superficial skin neuromodulation using a matrix electrode reduces deep pain sensitivity. *PLoS One*. 2014;9(9):e107718.
6. **Rolke R**, Rolke S, Vogt T, Birklein F, Geber C, Treede RD, et al. Hand-arm vibration syndrome: clinical characteristics, conventional electrophysiology and quantitative sensory testing. *Clin Neurophysiol*. 2013;124(8):1680-8.
7. Bachmann CG, **Rolke R\***, Scheidt U, Stadelmann C, Sommer M, Pavlakovic G, et al. Thermal hypoaesthesia differentiates secondary restless legs syndrome associated with small fibre neuropathy from primary restless legs syndrome. *Brain*. 2010;133(Pt 3):762-70. \*contributed equally
8. Freynhagen R\*, **Rolke R\***, Baron R, Tolle TR, Rutjes AK, Schu S, et al. Pseudoradicular and radicular low-back pain--a disease continuum rather than different entities? Answers from quantitative sensory testing. *Pain*. 2008;135(1-2):65-74. \*contributed equally
9. **Rolke R**, Magerl W, Campbell KA, Schalber C, Caspari S, Birklein F, et al. Quantitative sensory testing: a comprehensive protocol for clinical trials. *Eur J Pain*. 2006;10(1):77-88.
10. **Rolke R**, Baron R, Maier C, Tolle TR, Treede RD, Beyer A, et al. Quantitative sensory testing in the German Research Network on Neuropathic Pain (DFNS): standardized protocol and reference values. *Pain*. 2006;123(3):231-43.