

PROF. DR. ROMAN RUKWIED

Date of birth: 11 December, 1963
Gender: male

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Current position: Senior Research Assistant, Dept. Anesthesiology Mannheim
Children: none

CURRICULUM VITAE

University education

1988 - 1993 Diploma examination (Biology)
Johann-Wolfgang-Goethe-University Frankfurt/Main

Scientific degrees

1998 Doctoral Thesis (PhD), Univ. Erlangen, Germany
2007 German Habilitation, Medical Faculty Mannheim, Univ. Heidelberg

Professional experience

1999-2002: Research Scientist (UNILEVER R&D, United Kingdom)
since 2003: postdoc in Dept. of Anesthesiology Mannheim, Univ. Heidelberg;
experimental pain research
2012: Appointment as adjunct professor (apl. Prof.) and tenured position

Memberships, panels and coordinating functions

Memberships: Society for Neuroscience, IASP, International Forum for the Study of Itch
2004-2007

Max. 10 most important publications

- [1] Weinkauf B, Dusch M, van der Ham J, Benrath J, Ringkamp M, Schmelz M, **Rukwied R**. Mechano-sensitive nociceptors are required to detect heat pain thresholds and cowhage itch in human skin. *Eur J Pain* 2016;20(2):215-222.
- [2] Landmann G, Stockinger L, Lustenberger C, Schmelz M, **Rukwied R**. Effects of Current Density on Nociceptor Activation Upon Electrical Stimulation in Humans. *Pain practice : the official journal of World Institute of Pain* 2016;16(3):273-281.
- [3] Landmann G, Lustenberger C, Schleinzer W, Schmelz M, Stockinger L, **Rukwied R**. Short lasting transient effects of a capsaicin 8% patch on nociceptor activation in humans. *Eur J Pain* 2016.
- [4] **Rukwied B**, Weinkauf B, Main M, Obreja O, Schmelz M. Axonal hyperexcitability after combined NGF sensitization and UV-B inflammation in humans. *Eur J Pain* 2014;18(6):785-793.
- [5] **Rukwied RR**, Main M, Weinkauf B, Schmelz M. NGF sensitizes nociceptors for cowhage- but not histamine-induced itch in human skin. *J Invest Dermatol* 2013;133(1):268-270.
- [6] **Rukwied R**, Weinkauf B, Main M, Obreja O, Schmelz M. Inflammation meets sensitization--an explanation for spontaneous nociceptor activity? *Pain* 2013;154(12):2707-2714.
- [7] Camprubi-Robles M, Mair N, Andratsch M, Benetti C, Beroukas D, **Rukwied R**, Langeslag M, Proia RL, Schmelz M, Ferrer Montiel AV, Haberberger RV, Kress M. Sphingosine-1-phosphate-induced nociceptor excitation and ongoing pain behavior in mice and humans is largely mediated by S1P3 receptor. *J Neurosci* 2013;33(6):2582-2592.
- [8] Deising S, Weinkauf B, Blunk J, Obreja O, Schmelz M, **Rukwied R**. NGF-evoked sensitization of muscle fascia nociceptors in humans. *Pain* 2012;153(8):1673-1679.
- [9] Obreja O, Kluschina O, Mayer A, Hirth M, Schley M, Schmelz M, **Rukwied R**. NGF enhances electrically induced pain, but not axon reflex sweating. *Pain* 2011;152(8):1856-1863.
- [10] **Rukwied R**, Mayer A, Kluschina O, Obreja O, Schley M, Schmelz M. NGF induces non-inflammatory localized and lasting mechanical and thermal hypersensitivity in human skin. *Pain* 2010;148(3):407-413.