

Prof. Robert F. Schmidt

Ausgewählte Publikationen (ältere Arbeiten, bis einschließlich 1999)

1999

1. **Schmidt, R.F.:** Physiologie kompakt. 3. Auflage, Heidelberg: Springer, pp 1-347
2. Heppelmann, B., Pawlak, M., Schmidt, R.F.: Projection areas of the posterior articular nerve in the rat cortex. *Europ J Physiol Suppl* 437: R131
3. **Schmidt, R.F.:** Neurophysiologie. In: Berlitz, P. (Hrsg.) *Klinische Neurologie*, Heidelberg: Springer pp 34-61
4. **Schmidt, R.F.,** Langohr, H.D., Klotz, J.M., Berlitz, P.: Kopf- und Gesichtsschmerzen. In: Berlitz, P. (Hrsg.) *Klinische Neurologie*, Heidelberg: Springer pp 591-633
5. Pawlak, M. Meßlinger, K., Zehntner, A., **Schmidt, R.F.:** Somatostatin reduces the meningeal arterial blood flow in the rat. *Neurosc Lett* 276:33-36
6. Birbaumer, N., **Schmidt, R.F.:** Schmerz und erinnerte Empfindung. *Akademie-Journal. Magazin der deutschen Akademien der Wissenschaften.* 1:6-10
7. Rudomin, P. **Schmidt, R.F.:** Presynaptic inhibition in the vertebrate spinal cord revisited. *Exp Brain Res* 129:1-37
8. Peña de la, E., Viana, F., Pecson, B., **Schmidt, R.F.,** Belmonte, C.: Stretch-activated Calcium signals in cultured mouse primary sensory neurons. *Fifth IBRO World Congress of Neurosc Abstr* p 164
9. Petersen, M., Klusch, A., Belmonte, C., **Schmidt, R.F.,** Pierau, F.-K., Valdeomilos, M.: Intracellular free calcium response to B1 and B2 bradykinin receptor agonists and to capsaicin in rat dorsal root ganglion neurons after sciatic nerve injury. *9th World Congress on Pain – Abstracts* p 136
10. Peña de la, E., Sala, S., **Schmidt, R.F.,** Belmonte, C.: Effects of hylans on the response characteristics of mechanosensitive ion channels. *9th World Congress on Pain – Abstracts* p 137
11. Pawlak, M., **Schmidt, R.F.,** Hanesch, U.: Sensitization of articular afferents to mechanical stimuli by SP is mediated by NK1 receptors. *9th World Congress on Pain – Abstracts* p 518
12. Birbaumer, N., **Schmidt, R.F.:** *Biologische Psychologie*, 4. Auflage, Heidelberg: Springer, pp 1-753
13. **Schmidt, R.F.,** Heppelmann, B., Pawlak, M.: Electrophysiological characteristics of primary afferents in the knee joint of the rat. *Neurosc Abstr* 25:161.1
14. Peña de la, E., Pecson, B., **Schmidt, R.F.,** Belmonte, C., Viana, F.: Stretch-activated calcium signals in cultured mouse primary sensory neurons. *Neurosc Abstr* 25:163.14

15. Petersen, M., Klusch, A., **Schmidt, R.F.**, Belmonte, C., Valdeolmillos, M.: Increase in the intracellular $[Ca^{2+}]_i$ in isolated rat dorsal root ganglion neurons by B1 and B2 bradykinin receptor agonists in capsaicin sensitive neurons. *Neurosc Abstr* 25:274.15

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17. **Schmidt, R.F.** (Hrsg.): *Neuro- und Sinnesphysiologie*. 3. Auflage, Heidelberg: Springer-Verlag pp 1-485
18. **Schmidt, R.F.**, Schaible, H.-G.: Modulation of nociceptive information at the presynaptic terminals of primary afferent fibers. In: *Presynaptic Inhibition and Neural Control* (Rudomin P., Romo, R., Mendell, L. eds), pp 424-449. New York: Oxford University Press
19. Hanesch, U., Pawlak, M., **Schmidt, R.F.**: Sensitization of articular afferents to mechanical stimuli by substance P is mediated by the NK1 receptor. *Soc Neurosc Abstr* 24:349.3
20. Tamura, R., Hanesch, U., **Schmidt, R.F.**, Kumazawa, T., Mizumura, K.: Examination of colocalization of calcitonin gene-related peptide- and substance P-like immunoreactivity in the knee joint of the dog. *Neurosc Lett* 254 (1): 53-56
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22. **Schmidt, R.F.**: Cortical processing of nociceptive information from joints as revealed by electrophysiological recordings and positron emission tomography. Abstracts of the XXXIII International Congress of Physiological Sciences, St. Petersburg: L084.08
23. Sato, A., Sato, Y., **Schmidt, R.F.**: The Impact of Somatosensory Input on Autonomic Functions. In: *Reviews of Physiology Biochemistry and Pharmacology*. 130: 1-328
24. Hanesch, U., Heppelman, B., **Schmidt, R.F.**: Quantification of cat's articular afferents containing calcitonin gene-related peptide or substance P innervating normal and acutely inflamed knee joints. *Neurosc Lett* 233:105-108
25. Meßlinger, K., Hotta H., Pawlak, M., **Schmidt, R.F.**: Effects of the 5-HT₁ receptor agonists, sumatriptan and CP 93,129, on dural arterial flow in the rat. *Europ J of Pharmac* 332:173-181

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28. Hanesch, U., **Schmidt, R.F.**: Localization of the substance P receptor NK₁ in normal and inflamed knee joints of the rat. *Abstr Soc Neurosci* 23: 587.6
29. **Schmidt, R.F.**, Willis D.W., Reuss, L.: *Memorex Physiology*. London: Chapman & Hall, pp 1-281
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31. **Schmidt, R.F.**, Mutschler, E.: Teaching and practising medicine in Germany. Teaching of health sciences and organization of health care in Europe. *Real Academia Nacional de Medicina* pp 37-43

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32. Pawlak, M., Heppelmann, B., Meßlinger, K., **Schmidt, R.F.**: The knee joint of the rat as a model for electrophysiological studies of primary afferents. *Europ J Physiol* 431:6 P-56
33. Mackie, P.D., Zhang, H.Q., **Schmidt, R.F.** and Rowe, M.J.: Parallel organization of proprioceptive inputs from joint receptors to cortical somatosensory areas I and II in the cat. *J Phys* 494:529-537
34. Birbaumer, N., **Schmidt, R.F.**: *Biologische Psychologie*, 3. Auflage, Heidelberg: Springer-Verlag pp 1-695
35. Hanesch, U., Moussaoui, S., **Schmidt, R.F.**: Immunohistochemical localization of the NK₁ receptor indicates multiple functions of substance P in the dura mater encephali of rats. Abstracts of the 8th World Congress on Pain, Seattle: IASP Press 148
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41. **Schmidt, R.F.**, Thews, G. (Editors): Human Physiology (2nd ed.), Russische Ausgabe, Teil 1: Kapitel 1-14, von N.N. Alipov, N. Alexejenko, M.A. Kamenskaija, O. Lewaschow, JU. Schukler, Moskau: MIR-Verlag
42. **Schmidt, R.F.**, Thews, G. (Editors): Human Physiology (2nd ed.), Russische Ausgabe, Teil 2: Kapitel 15-23, von N.N. Alipov, N. Alexejenko, M.A. Kamenskaija, O. Lewaschow, JU. Schukler, Moskau: MIR-Verlag
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49. Schepelmann, K., Meßlinger, K., Schaible, H.-G., **Schmidt, R.F.**: The opioid antagonist naloxone does not alter discharges of nociceptive afferents from the acutely inflamed knee joint of the cat. Neurosc Lett 187:212-214
50. Kurosawa, M., Meßlinger, K., Pawlak M., Schmidt. R.F.: Increase of meningeal blood flow after electrical stimulation of rat dura mater encephali: mediation by calcitonin gene-related peptide. Br J of Pharm 114:1397-1402
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54. **Schmidt, R.F.**: *Physiologie kompakt. 2. A.*, Stuttgart: Gustav Fischer Verlag, pp 1-312
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62. **Schmidt, R.F.**, (Hrsg): *Memorix Fisiologia. (Spanische Ausgabe des Memorix Spezial Physiologie)* Weinheim: VCH Verlagsgesellschaft pp 1-308
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67. Herbert, M.K., Weber, C., **Schmidt, R.F.**, Weis, K.H.: Modiefid skin prick test for induction of neurogenic vasodilatation with capsaicin in human skin. Europ Journ of Neurosc: Suppl No 7, 21.28
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69. Meßlinger, K., Pawlak, M., Schepelmann, K., and **Schmidt, R.F.**: Involvement of proteinkinase C in sensory transduction of slowly conducting afferents in the cat's knee joint. In: Elsner, N., Breer, H. (eds) Göttingen Neurobiology Report 1994. Proceedings of the 22nd Göttinger Neurobiology Conference, Thieme Verlag, Stuttgart New York Vol II :748
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