

6 Literaturverzeichnis

- Alessi, D., MacDougall, L. K., Sola, M. M., Ikebe, M. & Cohen, P. (1992)** The control of protein phosphatase-1 by targetting subunits. The major myosin phosphatase in avian smooth muscle is a novel form of protein phosphatase-1. *European Journal of Biochemistry*, **210**, 1023-1035.
- Allen, B. G. & Walsh, M. P. (1994)** The biochemical basis of the regulation of smooth muscle contraction. *Trends in Pharmacological Sciences*, **15**, 362-368.
- Andrea, J. E. & Walsh, M. P. (1992)** Protein kinase C of smooth muscle. *Hypertension*, **20**, 585-595.
- Colomb, E., Nguyen, T. D., Bechetoille, A., Dascotte, J. C., Valtot, F., Brezin, A. P., Berkani, M., Copin, B., Gomez, L., Polansky, J. R. & Garchon, H. J. (2001)** Association of a single nucleotide polymorphism in the TIGR/MYOCILIN gene promoter with the severity of primary open-angle glaucoma. *Clinical Genetics*, **60**, 220-225.
- Coroneo, M. T., Korbmacher, C., Flügel, C., Stiemer, B., Lütjen-Drecoll, E. & Wiederholt, M. (1991)** Electrical and morphological evidence for heterogenous populations of cultured bovine trabecular meshwork cells. *Experimental Eye Research*, **52**, 375-388.
- De Kater, A. W., Shahsafaei, A. & Epstein, D. L. (1992)** Localization of smooth muscle and nonmuscle actin isoforms in the human aqueous outflow pathway. *Investigative Ophthalmology and Visual Science*, **33**, 424-429.
- De Kater, A. W., Spurr-Michaud, S. J. & Gipson, I. K. (1990)** Localization of smooth muscle myosin-containing cells in the aqueous outflow pathway. *Investigative Ophthalmology and Visual Science*, **31**, 347-353.
- Di Salvo, J., Steusloff, A., Semenchuk, L., Satoh, S., Kolquist, K. & Pfitzer, G. (1993)** Tyrosine kinase inhibitors suppress agonist-induced contraction in smooth muscle. *Biochemical and Biophysical Research Communications*, **190**, 968-974.
- Duke-Elder, S. (1971)** History of Glaukoma. In *System of ophthalmology, Diseases of the lens and vitreous; glaucoma and hypotony*, (Hrsg: S. Duke-Elder), Seiten: 128-135. Kimpton, London.
- Epstein, D. L., Freddo, T. F., Bassett-Chu, S., Chung, M. & Karageuzian, L. (1987)** Influence of ethacrynic acid on outflow facility in the monkey and calf eye. *Investigative Ophthalmology and Visual Science*, **28**, 2067-2075.
- Feng, J., Ito, M., Kureishi, Y., Ichikawa, K., Amano, M., Isaka, N., Okawa, K., Iwamatsu, A., Kaibuchi, K., Hartshorne, D. J. & Nakano, T. (1999)** Rho-associated kinase of chicken gizzard smooth muscle. *Journal of Biological Chemistry*, **274**, 3744-3752.
- Flammer, J., Haefliger, I. O., Orgul, S. & Resink, T. (1999)** Vascular dysregulation: a principal risk factor for glaucomatous damage? *Journal of Glaucoma*, **8**, 212-219.

- Fleming, I. N., Elliott, M., Collard, J. G. & Exton, J. H. (1997)** Lysophosphatidic Acid Induces Threonine Phosphorylation of Tiam1 in Swiss 3T3 Fibroblasts via Activation of Protein Kinase C. *The Journal of Biological Chemistry*, **272**, 33105-33110.
- Flügel, C., Tamm, E. & Lütjen-Drecoll, E. (1991)** Different cell populations in bovine trabecular meshwork: an ultrastructural and immunocytochemical study. *Experimental Eye Research*, **52**, 681-690.
- Fu, X., Gong, M. C., Jia, T., Somlyo, A. V. & Somlyo, A. P. (1998)** The effects of the Rho-kinase inhibitor Y-27632 on arachidonic acid-, GTPgammaS-, and phorbol ester-induced Ca²⁺-sensitization of smooth muscle. *FEBS Letters*, **440**, 183-187.
- Gao, Y., Ye, L. H., Kishi, H., Okagaki, T., Samizo, K., Nakamura, A. & Kohama, K. (2001)** Myosin light chain kinase as a multifunctional regulatory protein of smooth muscle contraction. *IUBMB Life*, **51**, 337-344.
- Gills, J. P., Roberts, B. C. & Epstein, D. L. (1998)** Microtubule disruption leads to cellular contraction in human trabecular meshwork cells. *Investigative Ophthalmology and Visual Science*, **39**, 653-658.
- Gipson, I. K. & Anderson, R. A. (1979)** Actin filaments in cells of human trabecular meshwork and Schlemm's canal. *Investigative Ophthalmology and Visual Science*, **18**, 547-561.
- Gong, H., Tripathi, R. C. & Tripathi, B. J. (1996)** Morphology of the aqueous outflow pathway. *Microscopy Research Technology*, **33**, 336-367.
- Gong, M. C., Fuglsang, A., Alessi, D., Kobayashi, S., Cohen, P., Somlyo, A. V. & Somlyo, A. P. (1992)** Arachidonic acid inhibits myosin light chain phosphatase and sensitizes smooth muscle to calcium. *Journal of Biological Chemistry*, **267**, 21492-21498.
- Granstam, E., Wang, L. & Bill, A. (1991)** Effects of endothelins (ET-1, ET-2 and ET-3) in the rabbit eye; role of prostaglandins. *European Journal of Pharmacology*, **194**, 217-223.
- Haque, M. S., Pang, I. H., Magnino, P. E. & DeSantis, L. (1998)** Activation of phospholipase C and guanylyl cyclase by endothelins in human trabecular meshwork cells. *Current Eye Research*, **17**, 1110-1117.
- Hart, M. J., Jiang, X., Kozasa, T., Roscoe, W., Singer, W. D., Gilman, A. G., Sternweis, P. C. & Bollag, G. (1998)** Direct stimulation of the guanine nucleotide exchange activity of p115 RhoGEF by G_{α13}. *Science*, **280**, 2112-2114.
- Hayashi, A., Koroma, B. M., Imai, K. & de Juan, E., Jr. (1996)** Increase of protein tyrosine phosphorylation in rat retina after ischemia-reperfusion injury. *Investigative Ophthalmology and Visual Science*, **37**, 2146-2156.
- Heijl, A., Leske, M. C., Bengtsson, B., Hyman, L., Bengtsson, B. & Hussein, M. (2002)** Reduction of intraocular pressure and glaucoma progression: results from the Early Manifest Glaucoma Trial. *Archives of Ophthalmology*, **120**, 1268-1279.

- Herbert, J. M., Augerau, J. M., Gleye, J. & Maffrand, J. P. (1990)** Chelerythrine is a potent and specific inhibitor of protein kinase C. *Biochemical and Biophysical Research Communications*, **172**, 993-999.
- Himpens, B., Kitazawa, T. & Somlyo, A. P. (1990a)** Agonist-dependent modulation of Ca²⁺ sensitivity in rabbit pulmonary artery smooth muscle. *Pflugers Arch*, **417**, 21-28.
- Himpens, B., Lydrup, M. L., Hellstrand, P. & Casteels, R. (1990b)** Free cytosolic calcium during spontaneous contractions in smooth muscle of the guinea-pig mesotubarium. *Pflüger's Archiv-European Journal of Physiology*, **417**, 404-409.
- Hirose, M., Ishizaki, T., Watanabe, N., Uehata, M., Kranenburg, O., Moolenaar, W. H., Matsumura, F., Maekawa, M., Bito, H. & Narumiya, S. (1998)** Molecular dissection of the Rho-associated protein kinase (p160ROCK)-regulated neurite remodeling in neuroblastoma N1E-115 cells. *Journal of Cell Biology*, **141**, 1625-1636.
- Hollenberg, M. D. (1994)** Tyrosine kinase pathways and the regulation of smooth muscle contractility. *Trends of Pharmacological Science*, **15**, 108-114.
- Honjo, M., Tanihara, H., Inatani, M., Kido, N., Sawamura, T., Yue, B. Y., Narumiya, S. & Honda, Y. (2001)** Effects of rho-associated protein kinase inhibitor Y-27632 on intraocular pressure and outflow facility. *Investigative Ophthalmology and Visual Science*, **42**, 137-144.
- Hoyng, P. & Kitazawa, Y. (2002)** Medical treatment of normal tension glaucoma. *Survey of Ophthalmology*, **47 Suppl 1**, S116.
- Investigators, T. A. (2000)** The advanced glaucoma intervention study (AGIS): 7. The relationship between control of intraocular pressure and visual field deterioration. The AGIS Investigators. *American Journal of Ophthalmology*, **130**, 429-440.
- Iwamoto, Y. & Tamura, M. (1988)** Immunocytochemical study of intermediate filaments in cultured human trabecular cells. *Investigative Ophthalmology and Visual Science*, **29**, 244-250.
- Jockusch, B. M. & Hinssen, H. (1996)** Nonmuscle Motility and the Actin-Based Cytoskeleton. In *Comprehensive Human Physiology* (Hrsg: R. Greger & U. Windhorst), pp. 225-242. Berlin, Heidelberg, New York: Springer-Verlag Berlin, Heidelberg.
- Johnson, D. H. (2000)** Myocilin and glaucoma: A TIGR by the tail? *Archives of Ophthalmology*, **118**, 974-978.
- Kamm, K. E. & Stull, J. T. (2001)** Dedicated myosin light chain kinases with diverse cellular functions. *Journal of Biological Chemistry*, **276**, 4527-4530.
- Kaufmann, P. L. & Erickson, K. A. (1982)** Cytochalasin B and D dose-outflow facility response relationships in the cynomolgus monkey. *Investigative Ophthalmology and Visual Science*, **23**, 646-650.

- Kimura, K., Ito, M., Amano, M., Chihara, K., Fukata, Y., Nakafuku, M., Yamamori, B., Feng, J., Nakano, T., Okawa, K., Iwamatsu, A. & Kaibuchi, K. (1996)** Regulation of myosin phosphatase by rho and rho-associated kinase (rho-kinase). *Science*, **273**, 245-248.
- Kitazawa, Y. (2001)** Open-angle glaucoma clinical presentation and management. *Nippon Ganka Gakkai Zasshi*, **105**, 828-842.
- Kocur, I. & Resnikoff, S. (2002)** Visual impairment and blindness in Europe and their prevention. *British Journal of Ophthalmology*, **86**, 716-722.
- Kodama, M., Kanaide, H., Abe, S., Hirano, K., Kai, H. & Nakamura, M. (1989)** Endothelin-induced Ca-independent contraction of the porcine coronary artery. *Biochemical and Biophysical Research Communications*, **160**, 1302-1308.
- Kozasa, T., Jiang, X., Hart, M. J., Sternweis, P. M., Singer, W. D., Gilman, A. G., Bollag, G. & Sternweis, P. C. (1998)** p115 RhoGef, a Gtpase activating protein for Galpha12 and Galpha13. *Science*, **280**, 2109-2111.
- Krauss, A. H., Wiederholt, M., Sturm, A. & Woodward, D. F. (1997)** Prostaglandin effect on the contractility of bovine trabecular meshwork and ciliary muscle. *Experimental Eye Research*, **64**, 447-453.
- Lepple-Wienhues, A., Becker, M., Stahl, F., Berweck, S., Hensen, J., Noske, W., Eichhorn, M. & Wiederholt, M. (1992)** Endothelin-like immunoreactivity in the aqueous humor and in conditioned medium from cultured ciliary epithelial cells. *Current Eye Research*, **11**, 1041-1046.
- Lepple-Wienhues, A., Rauch, R., Clark, A. F., Grässmann, A., Berweck, S. & Wiederholt, M. (1994)** Electrophysiological properties of cultured human trabecular meshwork cells. *Experimental Eye Research*, **59**, 305-311.
- Lepple-Wienhues, A., Stahl, F. & Wiederholt, M. (1991a)** Differential smooth muscle-like contractile properties of trabecular meshwork and ciliary muscle. *Experimental Eye Research*, **53**, 33-38.
- Lepple-Wienhues, A., Stahl, F., Willner, U., Schafer, R. & Wiederholt, M. (1991b)** Endothelin-evoked contractions in bovine ciliary muscle and trabecular meshwork: interaction with calcium, nifedipine and nickel. *Current Eye Research*, **10**, 983-989.
- Lepple-Wienhues, A., Stahl, F., Wunderling, D. & Wiederholt, M. (1992b)** Effects of endothelin and calcium channel blockers on membrane voltage and intracellular calcium in cultured bovine trabecular meshwork cells. *German Journal of Ophthalmology*, **1**, 159-163.
- Leung, T., Manser, E., Tan, L. & Lim, L. (1995)** A novel serine/threonine kinase binding the Ras-related RhoA GTPase which translocates the kinase to peripheral membranes. *Journal of Biological Chemistry*, **270**, 29051-29054.
- Lütjen-Drecoll, E. (1999)** Functional morphology of the trabecular meshwork in primate eyes. *Progress in Retinal and Eye Research*, **18**, 91-119.

- Lütjen-Drecoll, E., May, C. A., Polansky, J. R., Johnson, D. H., Bloemendal, H. & Nguyen, T. D. (1998)** Localization of the stress proteins alpha B-crystallin and trabecular meshwork inducible glucocorticoid response protein in normal and glaucomatous trabecular meshwork. *Investigative Ophthalmology and Visual Science*, **39**, 517-525.
- Lütjen-Drecoll, E. & Rohen, J. W. (1989)** Morphology of aqueous outflow pathways in normal and glaucomatous eyes. In: *"The Glaucomas"* (Hrsg: Klein, E.A.) Mosby, C.V., St. Louis, 89-123.
- Marsault, R., Vigne, P. & Frelin, C. (1990)** The effect of extracellular calcium on the contractile action of endothelin. *Biochemical and Biophysical Research Communications*, **171**, 301-305.
- Nakai, K., Suzuki, Y., Kihira, H., Wada, H., Fujioka, M., Ito, M., Nakano, T., Kaibuchi, K., Shiku, H. & Nishikawa, M. (1997)** Regulation of myosin phosphatase through phosphorylation of the myosin-binding subunit in platelet activation. *Blood*, **90**, 3936-3942.
- Newton, A. C. (1995)** Protein kinase C: structure, function, and regulation. *Journal of Biological Chemistry*, **270**, 28495-28498.
- Nguyen, T. D., Chen, P., Huang, W. D., Chen, H., Johnson, D. & Polansky, J. R. (1998)** Gene structure and properties of TIGR, an olfactomedin-related glycoprotein cloned from glucocorticoid-induced trabecular meshwork cells. *Journal of Biological Chemistry*, **273**, 6341-6350.
- Noske, W., Hensen, J. & Wiederholt, M. (1997)** Endothelin-like immunoreactivity in aqueous humor of patients with primary open-angle glaucoma and cataract. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **235**, 551-552.
- Orgul, S., Cioffi, G. A., Wilson, D. J., Bacon, D. R. & Van Buskirk, E. M. (1996)** An endothelin-1 induced model of optic nerve ischemia in the rabbit. *Investigative Ophthalmology and Visual Science*, **37**, 1860-1869.
- Pang, I. H. & Yorio, T. (1997)** Ocular actions of endothelins. *Proceedings of the Society for Experimental Biology and Medicine*, **215**, 21-34.
- Peterson, J. A., Tian, B., Bershady, A. D., Volberg, T., Gangnon, R. E., Spector, I., Geiger, B. & Kaufman, P. L. (1999)** Latrunculin-A increases outflow facility in the monkey. *Investigative Ophthalmology and Visual Science*, **40**, 931-941.
- Polansky, J. R., Kurtz, R. M., Fauss, D. J., Kim, R. Y. & Bloom, E. (1991)** In: *Glaucoma Update IV* (Hrsg: Kriegelstein G.K.), Seiten: 20-29. Springer-Verlag, Berlin, Heidelberg
- Polansky, J. R. & Nguyen, T. D. (1998)** The TIGR gene, pathogenic mechanisms, and other recent advances in glaucoma genetics. *Current Opinion in Ophthalmol*, **9**, 15-23.
- Prasanna, G., Krishnamoorthy, R., Clark, A. F., Wordinger, R. J. & Yorio, T. (2002)** Human optic nerve head astrocytes as a target for endothelin-1. *Investigative Ophthalmology and Visual Science*, **43**, 2704-2713.

- Rao, P. V., Deng, P. F., Kumar, J. & Epstein, D. L. (2001)** Modulation of aqueous humor outflow facility by the Rho kinase-specific inhibitor Y-27632. *Investigative Ophthalmology and Visual Science*, **42**, 1029-1037.
- Ringvold, A. (1978)** Actin filaments in trabecular endothelial cells in eyes of the vervet monkey. *Acta Ophthalmologica*, **56**, 217-227.
- Rohen, J. (1964)** Das Auge und seine Hilfsorgane. In *Handbuch der mikroskopischen Anatomie des Menschen* (Hrsg: Möllendorf, W., Bargmann, W.), Seiten: 189-328. Springer Verlag, Berlin, Heidelberg, New York.
- Rohen, J. W., Lütjen-Drecoll, E. (1982)** Biology of the Trabecular Meshwork. In: *Basic Aspects of Glaucoma Research* (Hrsg: Lütjen-Drecoll, E.), Seiten: 141-166. Schattauer Verlag, Stuttgart, New York.
- Rubanyi, G. M. & Polokoff, M. A. (1994)** Endothelins: molecular biology, biochemistry, pharmacology, physiology and pathophysiology. *Pharmacological Reviews*, **46**, 325-415.
- Rüegg, J. C. (2000)** Muskel. In: *Physiologie des Menschen* (Hrsg: Schmidt, R.F., Thews, G.), Seiten: 67-86. Springer Verlag, Berlin, Heidelberg, New York.
- Ruzicky, A. L. & Morgan, K. G. (1989)** Involvement of the protein kinase C system in calcium-force relationships in ferret aorta. *British Journal of Ophthalmology*, **97**, 391-400.
- Schwenn, O. (2001)** Das Glaukom. In: *Augenheilkunde* (Hrsg: Augustin, A.J.), Seiten: 348-370, Springer-Verlag, Berlin, Heidelberg, New York.
- Seasholtz, T., Majumdar, M. & Brown, J. (1999)** Rho as a Mediator of G Protein-Coupled Receptor Signaling. *Molecular Pharmacology*, **55**, 949-956.
- Shields, M. B. & Krieglstein, G. K. (1993a)** Kammerwasserdynamik I: Anatomie und Physiologie. In: *Glaukom* (Hrsg: Shields, M.B. & Krieglstein G. K.), Seiten: 5-33. Springer-Verlag, Berlin, Heidelberg, New York.
- Shields, M. B. & Krieglstein, G. K. (1993b)** Klassifikation. In: *Glaukom: Grundlagen, Differentialdiagnose, Therapie* (Hrsg: Shields, M.B. & Krieglstein G. K.), Seiten: 161-164. Berlin, Springer-Verlag, Heidelberg, New York.
- Shields, M. B. & Krieglstein, G. K. (1993c)** Primäres Offenwinkelglaukom. In: *Glaukom: Grundlagen, Differentialdiagnose, Therapie* (Hrsg: Shields, M.B. & Krieglstein G. K.), Seiten: 165-190. Springer-Verlag, Berlin, Heidelberg, New York.
- Sigma, (1999)** Monoclonal anti-myosin (smooth) - Produktinformation. Firma Sigma, Saint Louis, Missouri, USA.
- Somlyo, A. P. & Somlyo, A. V. (1994)** Signal transduction and regulation in smooth muscle. *Nature*, **372**, 231-236.

- Somlyo, A. P. & Somlyo, A. V. (2000)** Signal transduction by G-proteins, rho-kinase and protein phosphatase to smooth muscle and non-muscle myosin II. *Journal of Physiology*, **522** Pt 2, 177-185.
- Steinhausen, K., Stumpff, F., Strauss, O., Thieme, H. & Wiederholt, M. (2000)** Influence of muscarinic agonists and tyrosine kinase inhibitors on L-type Ca²⁺ channels in human and bovine trabecular meshwork cells. *Experimental Eye Research*, **70**, 285-293.
- Stryer, L. (1994)** *Biochemie*. Spektrum Akademischer Verlag GmbH: Heidelberg, Berlin, Oxford.
- Stumpff, F., Que, Y., Boxberger, M., Strauss, O. & Wiederholt, M. (1999)** Stimulation of maxi-K channels in trabecular meshwork by tyrosine kinase inhibitors. *Investigative Ophthalmology and Visual Science*, **40**, 1404-1417.
- Stumpff, F., Strauss, O., Boxberger, M. & Wiederholt, M. (1997)** Characterization of maxi-K-channels in bovine trabecular meshwork and their activation by cyclic guanosine monophosphate. *Investigative Ophthalmology and Visual Science*, **38**, 1883-1892.
- Sugiyama, T., Moriya, S., Oku, H. & Azuma, I. (1995)** Association of endothelin-1 with normal tension glaucoma: clinical and fundamental studies. *Survey of Ophthalmology*, **39** Suppl 1, S49-56.
- Tamm, E. R. & Russell, P. (2001)** The role of myocilin/TIGR in glaucoma: results of the Glaucoma Research Foundation catalyst meeting in Berkeley, California, March 2000. *Journal of Glaucoma*, **10**, 329-339.
- Tamm, E. R., Russell, P., Epstein, D. L., Johnson, D. H. & Piatigorsky, J. (1999)** Modulation of myocilin/TIGR expression in human trabecular meshwork. *Investigative Ophthalmology and Visual Science*, **40**, 2577-2582.
- Tang, D. C., Kubota, Y., Kamm, K. E. & Stull, J. T. (1993)** GTP gamma S-induced phosphorylation of myosin light chain kinase in smooth muscle. *FEBS Letters*, **331**, 272-275.
- Tao, W., Prasanna, G., Dimitrijevic, S. & Yorio, T. (1998)** Endothelin receptor A is expressed and mediates the [Ca²⁺]_i mobilization of cells in human ciliary smooth muscle, ciliary nonpigmented epithelium, and trabecular meshwork. *Current Eye Research*, **17**, 31-38.
- Thieme, H., Hildebrandt, J., Choritz, L., Strauss, O. & Wiederholt, M. (2001a)** Muscarinic receptors of the M2 subtype in human and bovine trabecular meshwork. *Graefes Archive for Clinical and Experimental Ophthalmology*, **239**, 310-315.
- Thieme, H., Nass, J. U., Nuskovski, M., Bechrakis, N. E., Stumpff, F., Strauss, O. & Wiederholt, M. (1999)** The effects of protein kinase C on trabecular meshwork and ciliary muscle contractility. *Investigative Ophthalmology and Visual Science*, **40**, 3254-3261.

- Thieme, H., Nuskovski, M., Nass, J. U., Pleyer, U., Strauss, O. & Wiederholt, M. (2000)** Mediation of Calcium-Independent Contraction in Trabecular Meshwork through Protein Kinase C and Rho-A. *Investigative Ophthalmology and Visual Science*, **41**, 4240-4246.
- Thieme, H., Stumpff, F., Otlecz, A., Percicot, C. L., Lambrou, G. N. & Wiederholt, M. (2001)** Mechanisms of Action of Unoprostone on Trabecular Meshwork Contractility. *Investigative Ophthalmology and Visual Science*, **42**, 3193-3201.
- Tian, B., Brumback, L. C. & Kaufman, P. L. (2000a)** ML-7, chelerythrine and phorbol ester increase outflow facility in the monkey Eye. *Experimental Eye Research*, **71**, 551-566.
- Tian, B., Gabelt, B. T., Peterson, J. A., Kiland, J. A. & Kaufman, P. L. (1999)** H-7 increases trabecular facility and facility after ciliary muscle disinsertion in monkeys. *Investigative Ophthalmology and Visual Science*, **40**, 239-242.
- Tian, B., Geiger, B., Epstein, D. L. & Kaufman, P. L. (2000)** Cytoskeletal involvement in the regulation of aqueous humor outflow. *Investigative Ophthalmology and Visual Science*, **41**, 619-623.
- Tian, B., Kaufman, P. L., Volberg, T., Gabelt, B. T. & Geiger, B. (1998)** H-7 disrupts the actin cytoskeleton and increases outflow facility. *Archives of Ophthalmology*, **116**, 633-643.
- Tripathi, B. & Tripathi, R. (1980)** Contractile protein alteration in trabecular endothelium in primary open-angle glaucoma. *Experimental Eye Research*, **31**, 721-724.
- Uehata, M., Ishizaki, T., Satoh, H., Ono, T., Kawahara, T., Morishita, T., Tamakawa, H., Yamagami, K., Inui, J., Maekawa, M. & Narumiya, S. (1997)** Calcium sensitization of smooth muscle mediated by a Rho-associated protein kinase in hypertension. *Nature*, **389**, 990-994.
- Volberg, T., Geiger, B., Citi, S. & Bershadsky, A. (1994)** Effect of protein kinase inhibitor H-7 on the contractility, integrity, and membrane anchorage of the microfilament system. *Cell Motility and Cytoskeleton*, **29**, 321-338.
- Walker, L. A., Gailly, P., Jensen, P. E., Somlyo, A. V. & Somlyo, A. P. (1998)** The unimportance of being (protein kinase C) epsilon. *FASEB Journal*, **12**, 813-821.
- Wang, N., Peng, Z., Fan, B., Liu, Y., Dong, X., Liang, X. & Luan, J. (2002)** Case control study on the risk factors of primary open angle glaucoma in China. *Zhonghua Liu Xing Bing Xue Za Zhi*, **23**, 293-296.
- Wang, P. & Bitar, K. N. (1998)** Rho A regulates sustained smooth muscle contraction through cytoskeletal reorganization of HSP27. *American Journal of Physiology*, **275**, G1414-G1462.
- Ward, N. E. & O'Brian, C. A. (1993)** Inhibition of protein kinase C by N-myristoylated peptide substrate analogs. *Biochemistry*, **32**, 11903-11909.

- Wiederholt, M. (1998)** Direct involvement of trabecular meshwork in the regulation of aqueous humor outflow. *Current Opinion in Ophthalmology*, **9;II**, 46-49.
- Wiederholt, M., Bielka, S., Schweig, F., Lütjen Drecoll, E. & Lepple Wienhues, A. (1995)** Regulation of outflow rate and resistance in the perfused anterior segment of the bovine eye. *Experimental Eye Research*, **61**, 223-234.
- Wiederholt, M., Dörschner, N. & Groth, J. (1997)** Effect of diuretics, channel modulators and signal interceptors on contractility of the trabecular meshwork. *Ophthalmologica*, **211**, 153-160.
- Wiederholt, M., Groth, J. & Strauß, O. (1998)** Role of protein kinases on regulation of trabecular meshwork and ciliary muscle contractility. *Investigative Ophthalmology and Visual Science*, **39**, 1012-1020.
- Wiederholt, M., Thieme, H. & Stumpff, F. (2000)** The regulation of trabecular meshwork and ciliary muscle contractility. *Progress in Retinal and Eye Research*, **19**, 271-295.
- Yanagisawa, M., Kurihara, H., Kimura, S., Tomobe, Y., Kobayashi, M., Mitsui, Y., Yazaki, Y., Goto, K. & Masaki, T. (1988)** A novel potent vasoconstrictor peptide produced by vascular endothelial cells. *Nature*, **332**, 411-415.
- Yorio, T., Krishnamoorthy, R. & Prasanna, G. (2002)** Endothelin: is it a contributor to glaucoma pathophysiology? *Journal of Glaucoma*, **11**, 259-270.
- Yoshii, A., Iizuka, K., Dobashi, K., Horie, T., Harada, T., Nakazawa, T. & Mori, M. (1999)** Relaxation of contracted rabbit tracheal and human bronchial smooth muscle by Y-27632 through inhibition of Ca²⁺ sensitization. *American Journal of Respiratory Cell Molecular Biology*, **20**, 1190-1200.
- Zhou, Y., Hirano, K., Sakihara, C., Nishimura, J. & Kanaide, H. (1999)** NH₂-terminal fragments of the 130 kDa subunit of myosin phosphatase increase the Ca²⁺ sensitivity of porcine renal artery. *Journal of Physiology*, **516**, 55-65.