8 Literaturverzeichnis

ADAMS, G. R.; HADDAD, F. (1996): The relationships among IGF-I, DNA content and protein accumulation during skeletal muscle hypertrophy.
*J Appl Physiol, **81**, 2509-2516*

AHTIAINEN, J. P.; PAKARINEN, A.; ALEN, M.; KRAEMER, W. J.; HÄKKINEN, K. (2003): Muscle hypertrophy, hormonal adaptations and strength development during strength training in strength-trained and untrained men.
*Eur J Appl Physiol, **89**, 555-563*

ALLEN, R. E.; MERKEL, R. A.; YOUNG, R. B. (1979): Cellular aspects of muscle growth: myogenic cell proliferation.
*J Anim Sci, **49**, 115-127*

APPEL, M.; KALM, E. (1982): Merkmalsantagonismen. Welche Möglichkeiten bietet die Linienzucht?
*Züchtungskunde, **54**, 38-45*

ARNOLD, A. M.; PERALTA, J. M.; THONNEY, M. L. (1996): Ontogeny of growth hormone, insuline-like growth factor-I, estradiol and cortisol in the growing lamb: effect of testosterone.
*J Endocrinol, **150**, 391-399*

ASHMORE, C. R.; ROBINSON, D. W.; RATTRAY, P.; DOERR, L. (1972): Biphasic development of muscle fibers in fetal lamb.
*Exp Neurol, **37**, 241-255*

ASHMORE, C. R.; SUMMERS, P. J. (1981): Stretch-induced growth in chicken wing muscles: myofibrillar proliferation.
*Am J Physiol, **241**, C93-C97*

BADTKE, G. (1988): Die Zelle. *In: Sportmedizinische Grundlagen der Körpererziehung und des sportlichen Trainings. Hrsg von der Sektion Sportwissenschaft der Pädagogischen Hochschule „Karl Liebknecht“ Potsdam. Leipzig: VEB Johann Ambrosius Barth, S 23-27*

BATES, P. C.; PELL, J. M. (1991): Action and interaction of growth hormone and the beta-agonist clenbuterol on growth, body composition and protein turnover in dwarf mice.
*Brit J Nutr, **65**, 115-129*

BAYOL, S.; JONES, D.; GOLDSPINK, G.; STICKLAND, N. C. (2004): The influence of undernutrition during gestation on skeletal muscle cellularity and on the expression of genes that control muscle growth.
*Brit J Nutr, **91**, 331-339*

BERG, R. T.; BUTTERFIELD, R. M. (1976): New concepts of cattle growth. Sydney: University Press

BERGEN, W. G.; MERKEL, R. A. (1991): Protein accretion. *In: PEARSON, A. M.; DUTSON, T. R. (eds): Growth regulation in farm animals. Advances in meat research, vol 7. London, New York: Elsevier Science Publishers Ltd, S 169-202*

BERGMANN, V. (1978): Prinzipien der pränatalen Muskelbildung beim Schwein aus der Sicht ultrastruktureller Befunde. *In: LYHS, L. (Hrsg): Umwelt und Leistung landwirtschaftlicher Nutztiere. Jena: VEB Gustav Fischer Verlag, S 185-191*

BERGMANN, V. (1995): Ultrastructural aspects of the pathology of muscle cells in relation to meat quality. *In: 2nd Dummerstorf muscle-workshop. Muscle growth and meat quality. Rostock, 17 – 19th May 1995, Proceed, S 92-98*

BERGMANN, V. (1999): Probleme der Muskelpathologie bei Tieren. Seminar im Rahmen des tierärztlichen Aufbaustudiums der Tierärztlichen Hochschule Hannover. Berlin, unpubl.

BICKHARDT, K. (2001): Muskelerkrankungen. *In: WALDMANN, K.-H.; WENDT, M. (Hrsg): Lehrbuch der Schweinekrankheiten. Begr von H PLONAIT und K BICKHARDT. Berlin: Parey Verlag, S 239-259*

BÖCK, P. (1984): Der Semidünnschnitt. München: J. F. Bergmann Verlag

BROWN, S. C.; STICKLAND, N. C. (1993): Satellite cell content in muscle of large and small mice.
*J Anat, **183**, 91-96*

BROWN, S. C.; STICKLAND, N. C. (1994): Muscle at birth in mice selected for large and small body size.
*J Anat, **184**, 371-380*

BÜNGER, L. (1978): Zu den Beziehungen zwischen Wachstum und Belastbarkeit. *Tag-Ber, Berlin, Akad Landwirtsch-Wiss DDR, **170**, 149-161*

BÜNGER, L. (1979): Zur Selektion auf Wachstum bei der Labormaus unter besonderer Berücksichtigung von Fitnesskomponenten. *Berlin, Akad Landwirtsch-Wiss DDR, Diss*

BÜNGER, L. (1987): Genetische Probleme in der Tierzucht. Heft 13: Direkte und korrelierte Erfolge einer Langzeitselektion nach differenten Wachstumsmerkmalen bei Labormäusen. *Schr-R Forschungszentrum Tierproduktion Dummerstorf-Rostock der Akad Landwirtsch-Wiss DDR*

BÜNGER, L.; RENNE, U.; DIETL, G.; KUHLA, S. (1998): Long-term selection for protein amount over 70 generations in mice.
*Genet Res, **72**, 93-109*

BÜNGER, L.; SCHÜLER, L.; KUPATZ, B.; RENNE, U. (1983): Zur Selektion auf Wachstum bei Modelltieren (Labormäusen). 2. Mitteilung: Direkter Selektionserfolg.
*Arch Tierz, **24**, 281-293*

BUONOMO, F. C.; LANTERIO, T. J.; BAILE, C. A.; CAMPION, D. R. (1987): Determination of insulin-like growth factor-I (IGF-I) and IGF binding protein levels in swine.
*Dom Anim Endocrinol, **4**, 23-31*

BURLEIGH, I. G. (1980): Growth curves in muscle nucleic acid and proteins: problems of interpretation at the level of the muscle cell. *In: LAWRENCE, T. L. J. (ed): Growth in animals. London: Butterworth & Co Ltd, S 101-136*

BUTTERY, P. J. (1993): Growth promotion in animals - an overview. *In: BENT, M. (ed): Livestock productivity enhancers: an economic assessment. Wallingford: CAB International, S 7-23*

BUTTERY, P. J.; BRYAN, L. (1986): Effect of diet and hormones on protein metabolism in muscle. *In: Nuclear and related techniques in animal production and health. Proceed of a symposium, Vienna, 17 - 21 March 1986, S 468-487*

BUTTERY, P. J.; VERNON, B. G. (1983): Protein metabolism in animals treated with anabolic agents.
*Vet Res Commun, **7**, 11-17*

BYLUND, A.-C.; BJURÖ, T.; CEDERBLAD, G.; HOLM, J.; LUNDHOLM, K.; SJÖSTRÖM, M.; ÄNGQUIST, K. A.; SCHERSTEN, T. (1977): Physical training in man. Skeletal muscle metabolism in relation to muscle morphology and running ability.
*Europ J Appl Physiol, **36**, 151-169*

BYRNE, I.; HOOPER, J. C.; McCARTHY, J. C. (1973): Effects of selection for body size on the weight and cellular structure of seven mouse muscles.
*Anim Prod, **17**, 187-196*

DAWSON, J. M.; CRAIGON, J.; BUTTERY, P. J.; BEEVER, D. E. (1993): Influence of diet and beta-agonist administration on plasma concentrations of growth hormone and insulin-like growth factor-I in young steers.
*Brit J Nutr, **70**, 93-102*

DIETL, G.; GROENEVELDE, E.; FIEDLER, I. (1993): Genetic parameters of muscle structure traits in pigs. *Proceed 44th ann meeting EAAP Arhus 1993, vol 2, 1.8*

DOHM, G. L.; HUSTON, R. L.; ASKEW, E. W.; WEISER, P. C. (1972): Effects of exercise on activitiy of heart and muscle mitochondria.
*Am J Physiol, **223**, 783-787*

DWYER, C. M.; FLETCHER, J. M.; STICKLAND, N. C. (1993): Muscle cellularity and post-natal growth in the pig.
*J Anim Sci, **71**, 3339-3343*

DWYER, C. M.; MADGWICK, A. J. A.; CROOK, A. R.; STICKLAND, N. C. (1992): The effect of maternal undernutrition on the growth and development of the guinea pig placenta.
*J Develop Physiol, **18**, 295-302*

DWYER, C. M.; STICKLAND, N. C. (1991): Sources of variation in myofibre number within and between litters of pig.
*Anim Prod, **52**, 527-533*

DWYER, C. M.; STICKLAND, N. C. (1992): The effects of maternal undernutrition on maternal and fetal serum insulin-like growth factors, thyroid hormones and cortisol in the guinea pig.
*J Develop Physiol, **18**, 303-313*

DWYER, C. M.; STICKLAND, N. C.; FLETCHER, J. M. (1994): The influence of maternal nutrition on muscle fibre number development in the porcine fetus and on subsequent post-natal growth.
*J Anim Sci, **72**, 911-917*

ESTABLE-PUIG, J. F.; BAUER, W. C.; BLUMBERG, J. M. (1965): Paraphenylene-diamine staining of osmium-fixed plastic embedded tissue for light and phase microscopy.
*J Neuropath exp Neurol, **24**, 531-535*

EVANS, D.; BAILLIE, H.; CASWELL, A.; WIGMORE, P. (1994): During fetal muscle development, clones of cells contribute to both primary and secondary fibers.
*Dev Biol, **162**, 348-353*

FALCONER, D. S.; GAULD, I. K.; ROBERTS, R. C. (1978): Cell numbers and cell sizes in organs of mice selected for large and small body size.
*Genet Res, **31**, 287-301*

FARTHING, J. P.; CHILIBECK, P. D. (2003): The effects of eccentric and concentric training at different velocities on muscle hypertrophy.
*Eur J Appl Physiol, **89**, 578-586*

FIEBIG, U.; BÜNGER, U.; MEYER, H. (1984): Zelluläres Wachstum beim Rind im Alter von 0 ... 600 d. *Tierhygiene-Information 16, Sonderheft, Eberswalde-Finow*

FIEDLER, I. (1983): Postnatales Wachstum der Muskelfasern beim Schwein. *Tag-Ber, Berlin, Akad Landwirtsch-Wiss DDR, **209**, 87-94*

FIEDLER, I. (1988): Leistungsfrüherkennung von Fleischansatz und Fleisch-beschaffenheit durch Muskelfasermerkmale. *Tag-Ber, Berlin, Akad Landwirtsch-Wiss DDR, **268**, 187-196*

FIEDLER, I.; BRANSCHEID, W. (1998): Histologische und histochemische Untersuchung des Skelettmuskelgewebes. *In: BRANSCHEID, W.; HONIKEL, K.-O.; LENGERKEN, G. v.; TROEGER, K. (Hrsg): Qualität von Fleisch und Fleischwaren. Band 2. Frankfurt/Main: Deutscher Fachverlag, S 729-739*

FIEDLER, I.; ENDER, K. (1984): Mikrostrukturmerkmale der Muskulatur in Beziehung zur Fleischbeschaffenheit beim Schwein.
*Tierzucht, **38**, 251-252*

FIEDLER, I.; ENDER, K.; WICKE, M.; MAAK, S.; LENGERKEN, G. v.; MEYER, W. (1999): Structural and functional characteristics of muscle fibres in pigs with different malignant hyperthermia susceptibility (MHS) and different meat quality.
*Meat Sci, **53**, 9-15*

FIEDLER, I.; KUHN, G.; HARTUNG, M.; KÜCHENMEISTER, U.; NÜRNBERG, K.; REHFELDT, C.; HUBER, K.; KLOSOWSKA, D. (2001): Auswirkungen des Malignen Hyperthermie-Syndroms (MHS) auf Fleischqualität, Muskelfasereigenschaften und Stoffwechselkriterien des M. longissimus von Pietrain-Schweinen.
*Arch Tierz, **44**, 203-217*

FIEDLER, I.; OTTO, E. (1982): Anzahl und Größe der Muskelfasertypen im M. longissimus dorsi von Schweinen in ihrer Beziehung zu Merkmalen des Schlachtkörperwertes.
*Fleisch, **36**, 213-214*

FIEDLER, I.; REHFELDT, C. (2003): persönliche Mitteilung

FIEDLER, I.; REHFELDT, C.; ENDER, K.; HENNING, M. (1998): Histophysiological features of skeletal muscle and adrenal glands in wild-type and domestic pigs during growth.
*Arch Anim Breed, **41**, 489-496*

FINGER, K. W.; DZAPO, V.; WASSMUTH, R. (1986): Morphometrische Untersuchung am M. longissimus dorsi von Schweinerassen unterschiedlicher Konstitution.
*Z Tierzücht Zücht biol, **103**, 59-68*

FOREMAN, J. H.; BAYLY, W. M.; ALLEN, J. R.; MATOBA, H.; GRANT, B. D.; GOLLNICK, P. D. (1990): Muscle response of thoroughbreds to conventional race training and detraining.
*Am J Vet Res, **51**,* 909-913

GAUTHIER, G. F. (1969): On the relationship of ultrastructural and cytochemical features to colour in mammalian skeletal muscle.
*Z Zellforsch, **95**, 462-482*

GAUTHIER, F. G.; PADYKULA, H. A. (1966): Cytological studies of fibre types in skeletal muscle. A comparative study of the mammalian diaphragm.
*J Cell Biol, **28**, 333-354*

GAUTSCH, T. A.; KANDL, S. M.; DONOVAN, S. M.; LAYMAN, D. K. (1998): Response of the IGF-I-system to prolonged undernutrition and its involvement in somatic and skeletal muscle growth retardation in rats.
*Growth, Development and Aging, **62**, 13-25*

GLUCKMAN, P. D. (1986): The role of pituitary hormones, growth factors and insulin in the regulation of fetal growth.
*Oxford Rev Reprod Biol, **8**, 1*

GOLDSPINK, G. (1964): The combined effects of exercise and reduced food intake on skeletal muscle fibres.
*J cell comp Physiol, **63**, 209-216*

GOLDSPINK, G. (1970): The proliferation of myofibrils during muscle fibre growth.
*J Cell Sci, **6**, 593-603*

GOLDSPINK, G. (1974): Development of muscle. *In: GOLDSPINK, G. (ed): Differentiation and growth of cells in vertebrate tissues. London: Chapman and Hall, S 69-99*

GOLDSPINK, G. (1983): Alterations in myofibril size and structure during growth, exercise, and changes in environmental temperature. *In: PEACHY, L. D.; ADRIAN, R. H.; GEIGER, S. R. (eds): Handbook of physiology. Section 10: Skeletal muscle, chapter 18. American physiological society, Bethesda, Maryland, S 539-554*

GOLDSPINK, G. (1991): Prospectives for the manipulation of muscle growth. *In: PEARSON, A. M.; DUTSON, T. R. (eds): Growth regulation in farm animals. Advances in meat research, vol 7. London, New York: Elsevier Science Publishers Ltd, S 557-588*

GOLDSPINK, G. (1996): Muscle growth and muscle function: a molecular biological perspective.
*Res Vet Sci, **60**, 193-204*

GOLDSPINK, G. (2003): Gene expression in muscle in response to exercise.
*J Mus Res Cell Mot, **24**, 121-126*

GOLDSPINK, G.; GOLDSPINK, D. F. (1986): The role of passive stretch in retarding muscle atrophy. *In: NIX, W. A.; VROBA, G. (eds): Electrical stimulation and neuromuscular disorders. Berlin, Heidelberg: Springer Verlag, S 91-100*

GRANT, A. L.; GERRARD, D. E. (1998): Cellular and molecular approaches for altering muscle growth and development.
*Can J Anim Sci, **78**, 493-502*

GRANT, A. L.; HELFERICH, W. G. (1991): An overview of growth. *In: PEARSON, A. M.; DUTSON, T. R. (eds): Growth regulation in farm animals. Advances in meat research, vol 7. London, New York: Elsevier Science Publishers Ltd, S 1-16*

GRATZL, M. (2002): Muskelgewebe. *In: GRATZL, M. (Hrsg): JUNQUEIRA, L. C.; CARNEIRO, J.; KELLEY, R. O.: Histologie. Berlin, Heidelberg: Springer Verlag, S 143-161*

GREEN, H. J.; BALLANTYNE, C. S.; MACDOUGALL, J. D.; TARNOPOLSKY, M. A.; SCHERTZER, J. D. (2003): Adaptations in human muscle sarcoplasmic reticulum to prolonged submaximal training.
*J Appl Physiol, **94**, 2034-2042*

GRIFFIN, G. E.; GOLDSPINK, G. (1973): The increase in skeletal muscle mass in male and female mice.
*Anat Rec, **177**, 465-470*

GÜNEREN, G.; BÜNGER, L.; HASTINGS, I. M.; HILL, W. G. (1996): Prenatal growth in lines of mice selected for body weight.
*J Anim Breed Genet, **113**, 535 -543*

HANDEL, S. E.; STICKLAND, N. C. (1987): Muscle cellularity and birth weight.
*Anim Prod, **44**, 311-317*

HANDEL, S. E.; STICKLAND, N. C. (1988): Catch-up growing in pigs: a relationship with muscle cellularity.
*Anim Prod, **47**, 291-295*

HANRAHAN, J. P.; HOOPER, A. C.; McCARTHY, J. C. (1973): Effects of divergent selection for body weight on fibre number and diameter in two mouse muscles.
*Anim Prod, **16**, 7-16*

HARPER, J. M. M.; SOAR, J. B.; BUTTERY, P. J. (1987): Changes in protein metabolism of ovine primary muscle cultures on treatment with growth hormone, insulin, insulin-like growth factor I or epidermal growth factor.
*J Endocrinol, **112**, 87-96*

HARTMANN, H. (1994): Wachstum und Reifung (Differenzierung). *In: HARTMANN, H.; MEYER, H. (Hrsg): Klinische Pathologie der Haustiere. Jena: Gustav Fischer Verlag, S 26-34*

HEITZMANN, R. J. (1981): Mode of action of anabolic agents. *In: FORBES, J. M.; LOMAX, M. A. (eds): Hormones and metabolism in ruminants. London, Agricultural Research Council, S 129-138*

HODGSON, D. R.; ROSE, R. J.; DIMAURO, J.; ALLEN, J. R. (1986): Effects of training on muscle composition in horses.
*Am J Vet Res, **47**, 12-15*

HOOPER, A. C.; BYRNE, I.; McCARTHY, J. C. (1973): The effects of selection for body weight on muscle structure in mice.
*J Anat, **115**, 146*

HOOPER, A. C. B. (1975): The relative contribution of the components of muscle growth.
*J Anat, **120**, 414*

HOOPER, A. C. B. (1976): Longitudinal growth of skeletal muscle fibres in lines of mice selected for high and low body weight.
*Growth, **40**, 33-39*

HOOPER, A. C. B.; HURLEY, M. P. (1983): The effect of selection for altered body weight on the ultrastructural components of skeletal muscle fibres.
*Anim Prod, **36**, 223-227*

HOPPELER, H.; FLÜCK, M. (2003): Plasticity of skeletal muscle mitochondria: structure and function.
*Med Sci Sports Exerc, **35**, 95-104*

HOULE-LEROY, P.; GARLAND, T.; SWALLOW, J. G.; GUDERLEY, H. (2000): Effects of voluntary activitiy and genetic selection on muscle metabolic capacities in house mice Mus domesticus.
*J Appl Physiol, **89**, 1608-1616*

INGJER, F. (1979): Capillary supply and mitochondrial content of different skeletal muscle fibre types in untrained and endurance-trained men. A histochemical and ultrastructural study.
*Eur J Appl Physiol, **40**, 197-209*

JOHNSON, B. J.; HATHAWAY, M. R.; ANDERSON, T.; MEISKE, J. C.; DAYTON, W. R. (1996): Stimulation of circulating insulin-like growth factor I (IGF-I) and insulin-like growth factor binding proteins (IGFBP) due to administration of a combined trenbolone acetate and oestradiol implant in feedlot cattle.
*J Anim Sci, **74**, 372-379*

JOHNSON, B. J.; WHITE, M. E.; HATHAWAY, M. R.; CHRISTIANS, C. J.; DAYTON, W. R. (1998): Effect of a combined trenbolone acetate and estradiol implant on steady-state IGF-I mRNA concentrations in the liver of wethers and the longissimus muscle of steers.
*J Anim Sci, **76**, 491-497*

JØRGENSEN, P. F.; HYLDGAARD-JENSEN, J. F. (1975): The effect of physical training on skeletal muscle enzyme composition in pigs.
*Acta vet Scand, **16**, 368 -378*

KAYAR, S. R.; CLAASSEN, H.; HOPPELER, H.; WEIBEL, E. R. (1986): Mitochondrial distribution in relation to changes in muscle metabolism in rat soleus.
*Resp Physiol, **64**, 1-11*

KLINGENER, D. (1964): The comparative myology of four dipodoid rodents (genera Zapus, Napaeozapus, Sicista and Jaculus). *Miscellaneous publications Museum of Zoology, University of Michigan, No. 124*

KOOLMANN, J.; RÖHM, K.-H. (1998): Taschenatlas der Biochemie. Stuttgart, New York: Thieme Verlag

KORNELIUSSEN, H. (1972): Identification of muscle fiber types in “semithin” sections stained with p-Phenylene-diamine.
*Histochemie, **32**, 95-98*

LAWRENCE, T. L. J.; FOWLER, V. R. (1997): Growth of farm animals. Wallingford: CAB International

LENGERKEN, G. v.; MAAK, S.; WICKE, M.; FIEDLER, I.; ENDER, K. (1994): Suitability of structural and functional traits of skeletal muscle for the genetic improvement of meat quality in pigs.
*Arch Tierz, **37**, 133-143*

LOUGHNA, P. T.; BROWNSON, C. (1996): The role of mechanical tension in regulating muscle growth and phenotype. *In: LOUGHNA, P. T.; PELL, J. M. (eds): Molecular physiology of growth. Cambridge: University Press, S 119-133*

LOUGHNA, P. T.; GOLDSPINK, G.; GOLDSPINK, D. F. (1986): Effects of inactivity and passive stretch on protein turnover in phasic and postural rat muscle.
*J Appl Physiol, **61**, 173-179*

LUFF, A. R.; GOLDSPINK, G. (1967): Large and small muscles.
*Life Sci, **6**, 1821-1826*

MASTAGLIA, F. L.; DETCHANT, Lord W. of (1992): Skeletal muscle pathology. Edinburgh, London, Madrid, Melbourne, New York, Tokio: Churchill Livingstone

MAURO, A. (1961): Satellite cell of skeletal muscle fibers.
*J Biophys Biochem Cytol, **9**, 493-495*

MEYER, H. H. D.; RAPP, M. (1985): Estrogen receptor in bovine skeletal muscle.
*J Anim Sci, **60**, 294-300*

MOODY, D. E.; HANCOCK, D. L.; ANDERSON, D. B. (2000): Phenethanolamine repartitioning agents. *In: D´MELLO, J. P. F. (ed): Farm animal metabolism and nutrition. Wallingford: CAB International, S 65-96*

MORASKA, A.; DEAK, T.; SPENCER, R. L.; ROTH, D.; FLESHNER, M. (2000): Treadmill running produces both positive and negative physiological adaptations in Sprague-Dawley rats.
*Am J Physiol Regulatory Integrative Comp Physiol, **279**, R1321-R1329*

OGATA, T. (1964): An electron microscopic study on the red, white and intermediate muscle fibers of mouse.
*Acta Med Okayama, **18**, 271-280*

OKSBJERG, N.; BLACKSHAW, A.; HENCKEL, P.; FERNANDEZ, J. A.; AGERGAARD, N. (1990): Alterations in protein accretion and histochemical characteristics of the M. longissimus dorsi in pigs caused by salbutamol (a beta-adrenergic agonist).
*Acta Agricult Scand, **40**, 397-401*

OTTO, E.; WEGNER, J. (1976): Quantitativ-mikroskopische Untersuchungen der Muskelfasern und ihre Beziehung zum Fleischansatz beim Schwein.
*Arch Tierz, **19**, 419-429*

PAHLKE, G. (1988): Muskulatur. *In: Sportmedizinische Grundlagen der Körpererziehung und des sportlichen Trainings. Hrsg von der Sektion Sportwissenschaft der Pädagogischen Hochschule „Karl Liebknecht“ Potsdam, Leipzig: VEB Johann Ambrosius Barth, S 28-80*

PELL, J. M.; BATES, P. C. (1987): Collagen and non-collagen protein turnover in skeletal muscle of growth hormone-treated lambs.
*J Endocrinol, **115**, R1-R4*

PENNEY, R. K.; PRENTIS, P. F.; MARSHALL, P. A.; GOLDSPINK, G. (1983): Differentiation of muscle and the determination of ultimate tissue size.
*Cell Tissue Res, **228**, 375-388*

PETERSEN, J. S.; HENCKEL, P.; OKSBJERG, N.; SORENSEN, M. T. (1998): Adaptations in muscle fibre characteristics induced by physical activity in pigs.
*Anim Sci, **66**, 733-740*

PLATZER, A. C. (1978): The ultrastructure of normal myogenesis in the limb of the mouse.
*Anat Rec, **190**, 639-658*

POPESKO, P.; RAJTOVÁ, V.; HORÁK, J. (1992): A colour atlas of anatomy of small laboratory animals. Vol 2: rat, mouse, hamster. London: Wolfe Publishing Ltd

POWELL, S. E.; ABERLE, E. D. (1980): Effects of birth weight on growth and carcass composition of swine.
*J Anim Sci, **50**, 860-868*

PROSKE, U. (1994): Development of skeletal muscle and its innervation. *In: THORBURN, G. D.; HARDING, R. (eds): Textbook of fetal physiology. Oxford, New York, Tokio: Oxford University Press, S 310-321*

PSCHYREMBEL (2002): Klinisches Wörterbuch. 259. Aufl. Berlin, New York: de Gruyter Verlag

RAHELIČ, S.; MANOJLOVIČ, D.; VIČEVIČ, Z. (1979): Some characteristics of three greatest muscles in pig ham. *Proceed 25th European meeting of meat research workers. Budapest, S 189-192*

REHFELDT, C.; ANER, K.; BÜNGER, L. (1991): Zelluläre Reaktion der Skelettmuskulatur von Labormäusen bei differenziertem Nahrungsangebot.
*Arch Tierz, **34**, 429-439*

REHFELDT, C.; BÜNGER, L. (1983): Adaptation der Skelettmuskelfasern an Ausdauertraining, bewegungseinschränkende Haltung oder Selektion auf Körpermasse und Belastbarkeit bei Labormäusen.
*Z mikrosk-anat Forsch, **97**, 92-102*

REHFELDT, C.; BÜNGER, L. (1990): Auswirkungen einer Langzeitselektion von Labormäusen auf Merkmale des Muskelwachstums und der Muskelstruktur.
*Arch Tierz, **33**, 507-516*

REHFELDT, C.; BÜNGER, L.; DIETL, G.; FIEDLER, I.; WEGNER, J. (1988): Zur Erblichkeit von Muskelstrukturmerkmalen und ihren genetisch begründeten Beziehungen zu Wachstum und Belastbarkeit bei Labormäusen.
*Arch Tierz, **31**, 185-195*

REHFELDT, C.; ENDER, K. (1993): Skeletal muscle cellularity and histochemistry in response to porcine somatotropin in finishing pigs.
*Meat Sci, **34**, 107-118*

REHFELDT, C.; FIEDLER, I. (1984): Postnatale Entwicklung der Muskelfasern im wachsenden Skelettmuskel der Labormaus.
*Arch Exp Vet-Med, **38**, 178-192*

REHFELDT, C.; FIEDLER, I.; DIETL, G.; ENDER, K. (2000): Myogenesis and postnatal skeletal muscle cell growth as influenced by selection.
*Livestock Prod Sci, **66**, 177-188*

REHFELDT, C.; FIEDLER, I.; WEGNER, J. (1987): Veränderungen der Mikrostruktur des Muskelgewebes bei Labormäusen, Rindern und Schweinen während des Wachstums.
*Z mikrosk-anat Forsch, **101**, 669-680*

REHFELDT, C.; FIEDLER, I.; WEGNER, J.; ENDER, K. (1987): Genetische Probleme in der Tierzucht. Heft 12: Untersuchungen zur Muskelstruktur. *Schr-R Forschungszentrum Tierproduktion Dummerstorf-Rostock der Akad Landwirtsch-Wiss DDR*

REHFELDT, C.; FIEDLER, I.; WEIKARD, R.; KANITZ, E.; ENDER, K. (1993): It is possible to increase skeletal muscle fibre number in utero.
*Biosci Rep, **13**, 213-220*

REHFELDT, C.; OTTO, E. (1985): Veränderungen der Muskelstruktur nach Selektion auf Wachstum und Belastbarkeit – Untersuchungen an Labormäusen.
*Arch Tierz, **28**, 465-473*

REHFELDT, C.; SCHADEREIT, R.; WEIKARD, R.; REICHEL, K. (1997): Effect of clenbuterol on growth, carcass and skeletal muscle characteristics in broiler chickens.
*Brit Poult Sci, **38**, 366-373*

REHFELDT, C.; STICKLAND, N. C.; FIEDLER, I.; WEGNER, J. (1999): Environmental and genetic factors as sources of variation in skeletal muscle fibre number.
*Basic Appl Myol., **9**, 235-253*

REHFELDT, C.; WALTHER, K.; ALBRECHT, E.; NÜRNBERG, G.; RENNE, U.; BÜNGER, L. (2002): Intrinsic properties of muscle satellite cells are changed in response to long-term selection of mice for different growth traits.
*Cell Tissue Res, **310**, 339-348*

ROSSER, B. W.; WICK, M.; WALDBILLIG, D. M.; BANDMAN, E. (1996): Heterogeneity of myosin heavy-chain expression in fast-twitch fiber types of mature avian pectoralis muscle.
*Bio Cell Biol, **74**, 715-728*

ROWE, R. W. D.; GOLDSPINK, G. (1968): Surgically induced muscle fibre hypertrophy.
*Anat Rev, **161**, 69-76*

ROWE, R. W. D.; GOLDSPINK, G. (1969): Muscle fibre growth in five different muscles in both sexes of mice.
*J Anat, **104**, 519-530*

RÜSSE, I.; SINOWATZ, F. (1998): Lehrbuch der Embryologie der Haustiere. Berlin: Parey Verlag

SAS Institue Inc.: SAS User's guide, vol 2, GLM-VARCOMP, vers 6, 4. Ed, 1990

SCHADEREIT, R.; KLEIN, M.; REHFELDT, C.; KREIENBRING, F.; KRAWIELITZKI, K. (1995): Influence of nutrient restriction and realimentation on protein and energy metabolism, organ weights, and muscle structure in growing rats.
*J Anim Physiol and Anim Nutr, **74**, 253-268*

SCHADEREIT, R.; REHFELDT, C.; KRAWIELITZKI, K.; KLEIN, M.; KANITZ, E.; KUHLA, S. (1998): Protein turnover, body composition, muscle characteristics and blood hormones in response to different direction of growth selection in mice.
*J Anim Feed Sci, **7**, 333-352*

SCHMALBRUCH, H. (1971): „Rote" Muskelfasern.
*Z Zellforsch, **119**, 120-146*

SCHÜLER, L. (1985): Der Mäuseauszuchtstamm FzT:DU und seine Anwendung als Modell in der Tierzuchtforschung.
*Arch Tierz, **28**, 357-363*

SEFFNER, W. (1994): Funktionsstörungen des Bewegungsapparates. *In: HARTMANN, H.; MEYER, H. (Hrsg): Klinische Pathologie der Haustiere. Jena: Gustav Fischer Verlag, S 493-516*

SHERIDAN, P. J.; AUSTIN, F. H.; BOURKE, S.; ROCHE, J. F. (1990): The effect of anabolic agents on growth rate and reproductive organs of pigs.
*Livestock Prod Sci, **26**, 263-275*

SOLOMON, M. B.; CAMPBELL, R. G.; STEELE, N. C. (1990): Effect of sex and exogenous porcine somatotropin on longissimus muscle fiber characteristics of growing pigs.
*J Anim Sci, **68**, 1176-1181*

SOLOMON, M. B.; CAPERNA, T. J.; MROZ, R. J.; STEELE, N. C. (1994): Influence of dietary protein and recombinant porcine somatotropin administration in young pigs: 3. Muscle fiber morphology and shear force.
*J Anim Sci, **72**, 615-621*

SORENSEN, M. T.; OKSBJERG, N.; AGERGAARD, N.; SOHOLM-PETERSEN, J. (1996): Tissue deposition rates in relation to muscle fibre and fat cell characteristics in lean female pigs (Sus scrofa) following treatment with porcine growth hormone (pGH).
*Comp Biochem and Physiol, A Physiol, **113**, 91-96*

STAUN, H. (1972): The nutritional and genetic influence on number and size of muscle fibres and their response to carcass quality in pigs. World Rev.
*Anim Prod, **3**, 18-26*

STICKLAND, N. C.; GOLDSPINK, G. (1973): A possible indicator muscle for the fibre content and growth characteristics of porcine muscle.
*Anim Prod, **16**, 135-146*

STICKLAND, N. C.; GOLDSPINK, G. (1978): Number of fibres in the skeletal muscle of miniature pigs.
*J Agricult Sci, **91**, 255-256*

STICKLAND, N. C.; HANDEL, S. E. (1986): The numbers and types of muscle fibres in large and small breeds of pigs.
*J Anat, **147**, 181-189*

STICKLAND, N. C. (1995): Microstructural aspects of skeletal muscle growth. *In: 2nd Dummerstorf muscle-Workshop. Muscle growth and meat quality. Rostock, 17 – 19th May 1995, Proceed, S 1-6*

STICKLAND, N. C.; DWYER, C. M. (1996): The pre-natal influence on post-natal muscle growth. *In: LOUGHNA, P. T.; PELL, J. P. (eds): Molecular physiology of growth. Cambridge: University Press, S 135-150*

STICKLAND, N. C.; WIDDOWSON, E. M.; GOLDSPINK, G. (1975): Effects of severe energy and protein deficiencies on the fibres and nuclei in skeletal muscles of pigs.
*Brit J Nutr, **34**, 421-428*

STOCKDALE, F. E. (1992): Myogenic cell lineages.
*Dev Biol, **154**, 284-298*

STONNINGTON, H. H.; ENGEL, A. G. (1973): Normal and denervated muscle. A morphometric study of fine structure.
*Neurology, **23**, 714-724*
Zit. nach DAVID, H.: Quantitative ultrastructural data of animal and human cells. Leipzig: VEB Georg Thieme Verlag

SUTER, E.; HOPPELER, H.; CLAASSEN, H.; BILLETER, R.; AEBI, U.; HORBER, F.; JAEGER, P.; MARTI, B. (1995): Ultrastructural modification of human skeletal muscle tissue with 6-month moderate-intensity exercise training.
*Int J Sports Med, **16**, 160 – 166*

SWATLAND, H. J. (1984): Structure and development of meat animals. Englewood Cliffs: Prentice Hall

SWATLAND, H. J.; CASSENS, R. G. (1973): Prenatal development, histochemistry and innervation of porcine muscle.
*J Anim Sci, **36**, 343-354*

SZENTKUTI, L. (2000): Skelettmuskulatur. *In: ENGELHARDT, W. v.; BREEVES, G. (Hrsg): Physiologie der Haustiere. Stuttgart: Enke im Hippokrates Verlag, S 110-126*

TIRAPEGUI, J. (1999): Effect of insulin-like growth factor-I (IGF-I) on muscle and bone growth in experimental models.
*Int J Food Sci and Nutr, **50**, 231-236*

TIRAPEGUI, J.; BALDI, M.; RIBEIRO; S. L. (1996): Effect of protein deficiency on plasma insulin-like growth factor-I (IGF-I) level and protein and proteoglycan synthesis rates in skeletal muscle and bone.
*Nutr Res, **16**, 869-879*

TURNER, D. L.; HOPPELER, H.; CLAASSEN, H.; VOCK, P.; KAYSER, B.; SCHENA, F.; FERRETTI, G. (1997): Effects of endurance training on oxidative capacity and structural composition of human arm and leg muscles.
*Acta Physiol Scand, **161**, 459-464*

UEBERSCHÄR, I. (1988): Biologische Grundlagen des Schnelligkeitstrainings. *In: Sportmedizinische Grundlagen der Körpererziehung und des sportlichen Trainings. Hrsg von der Sektion Sportwissenschaft der Pädagogischen Hochschule „Karl Liebknecht“ Potsdam, Leipzig: VEB Johann Ambrosius Barth, S 372-374*

VESTERGAARD, M.; OKSBJERG, N.; SEJRSEN, K. (1996): Use of beta-adrenergic agonists in meat production. Scientific conference on growth promotion in meat production. *Brussels, Belgium, 29 Nov to 1 Dec 1995, Proceed, S 243*

WARD, S. S.; STICKLAND, N. C. (1991): Why are slow and fast muscles differentially affected during prenatal undernutrition?
*Muscle and Nerve, **14**, 259-267*

WEBER, C. (1981): Postnatale Entwicklung und selektionsbedingte Veränderungen der Muskelfasern im M. rectus femoris von Labormäusen.
Berlin, Akad Landwirtsch-Wiss DDR, Diss

WHIPPLE, G.; HUNT, M. C.; KLEMM, R. D.; KROPF, D. H.; GOODBAND, R. D.; SCHRICKER, B. R. (1992): Effects of porcine somatotropin and supplemental lysine on porcine muscle histochemistry.
*J Muscle Foods, **3**, 217-227*

WICKE, M.; MAAK, S.; LENGERKEN, G. v.; REHFELDT, C. (1998): Anatomisch-physiologische Grundlagen der Fleischqualität. *In: BRANSCHEID, W.; HONIKEL, K.-O.; LENGERKEN, G. v.; TROEGER, K. (Hrsg): Qualität von Fleisch und Fleischwaren. Band 2. Frankfurt/Main: Deutscher Fachverlag, S 555-591*

WIDDOWSON, E. M. (1980): Definitions of growth. *In: LAWRENCE, T. L. J. (ed): Growth in animals. London: Butterworth & Co Ltd, S 1-9*

WIGMORE, P. M. C.; STICKLAND, N. C. (1983): Muscle development in large and small pig fetuses.
*J Anat, **137**, 235-245*

WIGMORE, P. M. C.; STICKLAND, N. C. (1984): DNA, RNA and protein in skeletal muscle of large and small pig fetuses.
*Growth, **47**, 67-76*

WILLIAMS, P. E.; GOLDSPINK, G. (1971): Longitudinal growth of striated muscle fibres.
*J Cell Sci, **9**, 751-767*

WITTMANN, J. (2000): Wachstum. *In: ENGELHARDT, W. v.; BREEVES, G. (Hrsg): Physiologie der Haustiere. Stuttgart: Enke im Hippokrates Verlag, S 446-452*