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	Altri autori (Persone)	PasM. F. W. te EvertsM. E HaagsmanH. P
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Nota di contenuto

Contributors; Preface; 1 Number and Size of Muscle Fibres in Relation to Meat Production; 2 Fibre Type Identification and Functional Characterization in Adult Livestock Animals; 3 Manipulation of Muscle Fibre Number During Prenatal Development; 4 The Effect of Growth and Exercise on Muscle Characteristics in Relation to Meat Quality; 5 Nutrition, Hormone Receptor Expression and Gene Interactions: Implications for Development and Disease; 6 The Impact of Minerals and Micronutrients on Growth Control
7 Na⁺,K⁺-ATPase in Skeletal Muscle: Significance of Exercise and Thyroid Hormones for Development and Performance
8 Local and Systemic Regulation of Muscle Growth; 9 Proteolytic Systems and the Regulation of Muscle Remodelling and Breakdown; 10 The Muscle Regulatory Factors Gene Family in Relation to Meat Production; 11 The Muscle Transcriptome; 12 Genome Analysis of QTL for Muscle Tissue Development and Meat Quality; 13 Functional Genomics and Proteomics in Relation to Muscle Tissue; 14 Role of Myostatin in Muscle Growth
15 The Callipyge Mutation for Sheep Muscular Hypertrophy - Genetics, Physiology and Meat Quality
16 Genetic Control of Intramuscular Fat Accretion; 17 Post-mortem Muscle Proteolysis and Meat Tenderness; 18 Water-holding Capacity of Meat; Perspectives; Index

Sommario/riassunto

Well-developed and functional muscle tissues are a prerequisite for healthy meat-producing animals. Good muscle development leads to improved meat quality. Hence modern breeds of livestock animal have been selectively bred for better conformation, increased muscle size and increased muscle-to-bone ratio. This book describes all aspects of muscle development research, and contains contributions from leading research groups around the world.