

MYOLOGY NEWS

Next Issue

BAM 5 (2), 1995

Hot Section: Microgravity and Muscle Unweighting
Yvonne Mounier, Guest-Editor

EDITORIAL

Yvonne Mounier: *Microgravity and Muscle Unweighting*

ARTICLES

Adaptations in myosin heavy chain profile in chronically unloaded muscle
RJ Talmadge, RR Roy, SC Bodine-Fowler, DJ Pierotti, and RV Edgerton
Rapid sarcomere disruption and restructuring occurs in reloaded atrophic adductor longus muscles of rats exposed to space flight and hindlimb suspension unloading
DA Riley, JL Thompson, BB Krippendorf and GR Slocum

Myosin heavy chains in striated muscle immobilized in a shortened position
A Jakubiec-Puka, J Szczepanowska and U Wiczorek

Effect of the elimination of neural influences in the rat soleus muscle during unweighting
M Falempin and S Fodili

Changes in the neuromuscular junction of rat soleus muscle after hindlimb unweighting
Y Mounier, F Bacou and M Falempin

Muscle glycogenolysis and exercise following rodent hindlimb suspension
D Desplanches, MH Mayet-Sornay, B Sempore and R Favier

ARTICLES

The role of intrinsic and extrinsic factors determining the myosin heavy chain phenotypes of skeletal muscle fibers in avian muscle grafts
AJA Madgwick, K Krishan and GK Dhoot
Role of innervation in the expression and maintenance of some troponin subunits in developing and adult rat skeletal muscles
K Krishan and GK Dhoot

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Calendar of Events; Books; BAM: Next Issues

5th Vienna International Workshop on

Functional Electrostimulation

Basics, Technology and Application

Founding Meeting for the International FES Society (IFES)

August 17-19, 1995

University Hospital - Lecture Center - Vienna, Austria

Topics: Neuromuscular Physiology: Nerve and muscle: metabolism, plasticity; Histology; Biocybernetics, algorithms; Impulse management; Impulse pattern, strategies; Spinal cord injury: healing. **Technology of external devices and implants:** Electronics, microelectronics; Electrochemistry; Microprocessor control, software; Biomaterials, encapsulation; Connectors, cables; Electrodes; Safety and quality assurance. **Objects for stimulation:** Heart; Diaphragm; Bladder and lower extremities (hemi-, para-, tetraplegia); Cochlear prosthesis; Eye; Vocal cord; Chronic muscle stimulation; Cardiomyoplasty and muscle-powered devices; Closed loop feedback control; Other methods. **Education in FES:** Rehabilitation strategies

Organizing Committee Chairman: H. Thoma

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XXIV European Muscle Conference

Florence, Italy 13 - 17 September 1995

Airforce Military School, Parco delle Cascine

Topics: The Conference will be mainly oriented to discuss *E-C coupling and Force-generating Mechanisms in Skeletal, Cardiac and Smooth muscle*. Sessions will be devoted to *Myodystrophies and Genetics* and to *Exercise Physiology*

Sunday afternoon September 13, 1995 a workshop on Dynamic Cardiomyoplasty will precede the Opening of the Conference.

Deadline for final Registration and Submission of abstracts: May 31 1995

Information and conference office

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