

Dipartimento di Scienze Biomediche Sperimentali dell'Universita' di Padova
C.N.R. Centro di Studio per la Biologia e Fisiopatologia Muscolare
Associazione di Biologia Cellulare e del Differenziamento
Cell Biology Tutorials

ECBF93

Electrophoresis and Chromatography of Biopolymers and their Fragments

Padova, May 24-28, 1993

Cryostat sections and cell cultures wiewling. SDS PAGE. Non-denaturant and acidic methods. Isoelettrofocussing. 2D PAGE: O'Farrell method; other hybrid methods. SDS PAGE Peptide Mapping: limited proteolysis according to Cleveland. Orthogonal Peptide Mapping. Elution of polypeptides from polyacrilamide gel. Preparative Electroendosmotic Gel Electrophoresis (EPGE). Quantitation of proteins solubilized in SDS-mercaptoethanol. Recovery of SDS-proteins by KDS. Staining, identification and characterization of polypeptides on PAGE slabs: Prestaining, Coomassie blue, Silver stain, Immunoblotting, Overlay techniques, Stains all, Photolabelling, Enzyme activities, Chemical groups, KDS. Mono- and bi-dimensional densitometry. HPE: High Performance Electrophoresis (Capillary Electrophoresis). FPLC. Separation and sequencing of PCR-amplified DNA segments by gel electrophoresis. Automatic PCR. In situ hybridization.

Organizers: Prof. U. Carraro and Dott. L. Dalla Libera.

Tutors: R. Betto, D. Biral, U. Carraro, C. Catani, A. Curioni, A. Dal Belin Peruffo, L. Dalla Libera, E. Damiani, G.A. Danieli, L. Gorza, C. Rizzi, M. Sandri, G. Schiavo, L. Tallandini.

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Registration Fees: L. it. 500.000 (fivehundredthousand)

ECBF93 will be organized in: Bench practices, Tutorials and a One-day Seminar. Participants will have the opportunity to openly discuss their research topics and to perform analyses on their own samples. A bench-top manual (in Italian) and a certificate will be provided to participants.

Applications: To be sent to Prof. Ugo Carraro, Dipartimento di Scienze Biomediche Sperimentali, Via Trieste 75, I-35131 Padova, before March 31, 1993. A short Curriculum and notice of specific knowledge and experience must be included. Seven participants will be Junior Researchers or pre-doctors, three participants will be selected among Seniors, who need to update their experience or learn new techniques.

Participants will be asked to pay Registration Fees after acceptance of their application, but before the Tutorials. One Participant will be exempted.

INVITATION AND CALL FOR PAPERS

A Poster session will complement the ECBF93 Seminar. The accepted papers will be printed in a Dedicated Issue of **BAM, Basic and Applied Myology**. The original and two copies should be sent to Prof. U. Carraro (see Application) **before February 28, 1993**. The full papers, in English,

should be typewritten double space on A4 page (up to 12 pages, one side). Method- or Application-Papers carefully documenting goals, methods, results and references (either in Article or Communication format, see BAM Information for Authors) will be preferentially considered for publication. Authors will be requested to send floppy disks of accepted papers either of IBM or of Macintosh standards, using specific standard software, like Words, Wordstar, and Wordperfect before March 31, 1993, with a One-Day Registration Fees of L. it. 100.000 (Onehundredthousand), if not Participants.

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- . Basic Science
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The Dynamic State of Muscle Fibers

Proceedings of the International Symposium

October 1-6, 1989

Konstanz, Federal Republic of Germany

Editor Dirk Pette

published by Walter de Gruyter, Berlin, New York

XXXVI, 1-736, 1990

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This book is an outcome of an International Symposium held at Konstanz. Distinguished biochemists, cell biologists and neurophysiologists and muscle pathologists contributed to the phenomenon of muscle plasticity and its underlying mechanisms. The main topics are the structural, functional and biochemical heterogeneity of muscle as a tissue, the programme of its ontogeny and differentiation with particular reference to their regulation, the regulation of its properties of innervation usage, and hormones and its artificial modulation by altered innervation or chronic electrostimulation.

Readers interested to the last topic will find a spectacular up-to-date review in **D Pette and G Vrbova: Adaptation of Mammalian Skeletal Muscle Fibers to Chronic Electrical Stimulation. *Rev Physiol Biochem Pharmacol* 1992; 120: 115-202.**

Basic and Applied Myology: Perspectives for the 90's

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Proceedings of a Conference held in Abano Terme,
Padova (Italy), May 30 - June 1, 1991.

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Edited by
Ugo Carraro and Stanley Salmons

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INFORMATION FOR AUTHORS

GENERAL

BAM will mainly cover skeletal muscle basic research and its applications. Special attention will be paid to reports of experimental studies in large mammals to test hypotheses of muscle and non-muscle diseases managements. Myocardium and smooth muscle studies will also be considered. **Basic and Applied Myology** publishes basic and clinical research studies in the fields of anatomy, physiology, cell biology, biochemistry, molecular biology and gene mapping, comparative biology, development and differentiation, regeneration, pathology, epidemiology, bioengineering, testing, pharmacology, toxicology, surgery, medicine. Non-medical studies in fields such as veterinary, breeding and biotechnology will also be considered, if they concern muscle at molecular, cellular or organismic levels.

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