EDITORIAL

Summer Course on Pathophysiology of Skeletal Muscle

ECBF93, Electrophoresis and Chromatography of Biopolymers and their Fragments: Biochemical Markers of Muscle Trophism, Plasticity and Damage/Repair. Padova, September 20-24, 1993. Announcement and Call for Papers.

New exciting options which soundly stand on concepts developed by basic scientists in the last twenty years seems to be at hand of the medical community to manage muscle and non-muscle diseases. The demand for tutorials on muscle biochemistry and cell biology had spread from basic researchers to the medical community at large. Muscle biochemistry and cell biology studies are soundly performed not only by scientists collaborating with for neurologists and general surgeons, but also in research laboratory independently developed in clinical settings. To satisfy the emerging needs, in addition to the Cell Biology Tutorial and Seminar: Electrophoresis and Chromatography of Biopolymers and their Fragments, which will be held in Padova, May 24-28, 1993, the Department of Experimental Biomedical Sciences and the CNR Centre for Muscle Biology and Physiopathology of the University of Padova host under the auspices of the European Community COMETT-TUCEP and TEMPUS JEP TMPBT the Summer Course on Pathophysiology of Skeletal Muscle: ECBF93, Electrophoresis and Chromatography of Biopolymers and their Fragments: Biochemical markers of muscle trophism, plasticity and damage/repair. Padova, September 20-24, 1993.

The course offers to participants bench experiences on: Cryostat sections and cell cultures wielding. SDS PAGE. Non-dissociating and acidic methods. Isoelectrofocussing. 2D PAGE: O'Farrell method; other hybrid methods. SDS PAGE Peptide Mapping: limited proteolysis according to Cleveland. Orthogonal Peptide Mapping. Elution of polypeptides from polyacrylamide 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-amplyfied DNA segments by gel electrophoresis. Automatic PCR. In situ hybridization. Analysis of structure-function relationship on skinned muscle fibers by combination of different tests: Slack test (Vmax), Ca and Sr affinities, myosin and troponin electrophoresis. Muscle electrostimulation: The new equilibrium state of muscle stimulated for a year at different continuous frequencies.

Organizer: Prof. U. Carraro.
Tutors: R. Betto, D. Biral, U. Carraro, C. Catani, A. Dal Belin Peruffo, L. Dalla Libera, E. Damiani, G.A. Danieli, C. Janmot, J. Jarvis, L. Gorza, A. Mounier, C. Rizzi, L. Tallandini.

Place of the Tutorials: Dipartimento di Scienze Biomediche Sperimentali, Via Trieste 75 I-35121 PADOVA, tel. (049-8286510), FAX 8286576
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 June 30, 1993. A short Curriculum and notice of specific knowledge and experience must be included. Seven participants will be Junior Researchers or predoctors, 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.

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 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 (see BAM Information for Authors) will be preferentially considered for publication. The original and two copies should be sent to Prof. U. Carraro (see Application) before **June 1st, 1993.** 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 June 30, 1993, with a One-Day Registration Fees of it. L. 100,000 (Onehundredthousand), if not Participants.

U. Carraro