

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 is spreading from basic researchers to the medical community at large. Muscle biochemistry and cell biology studies are soundly performed not only by scientists collaborating with practitioners and surgeons, but also in research laboratories independently developed in clinical settings. To satisfy the emerging needs 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 Italian Society for Cell Biology and Differentiation the V Cell Biology Tutorial and Seminar on **Electrophoresis and Chromatography of Biopolymers and their Fragments, ECBF93 Seminar**, which will be held in Padova, May 24-28, 1993.

The Tutorials are open to ten researchers (three seniors and seven juniors) and consist of practical activities, demonstrations and a Seminar with a couple of invited speakers and several participants that will have the opportunity to display their methodologic or applied results in poster format. All materials will be printed in the Course Manual, and some papers will be printed in a Dedicated Issue of BAM.

Though the Course and Seminar are mainly committed to molecular research, the persistent interest of cardiac surgeons and cardiologists on Skeletal-muscle powered Cardiac Assist Devices and of surgeons on Assist of Anal Sphincter by Stimulated Skeletal Muscle together with the mounting clinical applications of chronic stimulation for prevention of muscle wasting, loss of strength, and fatigability of inactive and diseased muscles make the topics interesting for an increasing number of non-specialists interested on simple, efficient quantitative molecular methods to study biology, physiopathology and damage/repair of muscle.

The tutorials offer to participants bench experiences on: Cryostat sections and cell cultures welding. SDS PAGE. Non-denaturant and acidic methods. Isoelectrofocussing. 2D PAGE: O'Farrell method and 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. 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.

Place of the Tutorials: Dipartimento di Scienze Biomediche Sperimentali, Via Trieste 75 I-35121 Padova (Italy), 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 **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 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, either in Article or Communication format) will be preferentially considered for publication.

The original and two copies should be sent to Prof. U. Carraro (see Application) **before February 28, 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 March 31, 1993, with a One-Day Registration Fees of L.it. 100.000 (Onehundredthousand), if not Participants.

I am looking forward to receive suggestions and manuscripts for the One-Day-Seminar from BAM Readers and their Colleagues. I cordially invite the readers to copy, post and circulate the Announcement and Call for Papers printed in the last page of this issue of BAM.

Arrivederci, Aurevoir, Aufwiedersehen, See you in Padova next May!

U. Carraro