

Announcement of a Short Course on

PRINCIPLES AND APPLICATIONS OF TIME-RESOLVED FLUORESCENCE SPECTROSCOPY

March 19-23, 2001

**Center for Fluorescence Spectroscopy
Department of Biochemistry and Molecular Biology,
University of Maryland Medical School,
725 West Lombard St., Baltimore, Maryland 21201
Telephone: (410) 706-8409 FAX: (410) 706-8408 E-mail: cfs@cfs.umbi.umd.edu**

Course Chairman:

Joseph R. Lakowicz

Course Instructors:

Richard Thompson
Chris D. Geddes
Zygmunt Gryczynski

Guest Lecturers:

Daniel Farkas (Microscopy)
Michael L. Johnson (Data Analysis)
Stefan Hell (Confocal & Multi-Photon Microscopy)
Jack Owicki (High Throughput Screening)
Peter So (Correlation Spectroscopy)

I. Basics of Time Resolved Fluorescence Spectroscopy (two days)

Section I covers the basics of time-resolved fluorescence spectroscopy and instrumentation, and is aimed at persons having modest familiarity with fluorescence. Section I will cover the principles of fluorescence, time- and frequency-domain measurements, instrumentation, anisotropy, excited state reactions, and Förster energy transfer, as well as data analysis. The course also includes "hands on" experimentation, data analysis, and an exhibit of time-resolved instrumentation.

II. Applications of Time-Resolved Fluorescence Spectroscopy (two and one-half days)

Section II describes the newer techniques in time-resolved fluorescence, together with advanced applications of fluorescence in sensing, imaging, diagnosis, and biophysics. This part of the course will include guest lectures on fluorescence imaging and sensing, fluorescence microscopy, protein fluorescence, high throughput screening, lanthanides and immunoassays. This section

is for persons acquainted with time-resolved fluorescence measurements, or who will have completed Section I. The course will finish by noon on Friday.

Course materials, continental breakfast, refreshments, and daily lunches will be provided. The course will be held in Baltimore at the University of Maryland School of Medicine in the Center for Fluorescence Spectroscopy, from 8:00 am to 6:00 pm. Fees are listed below. We request that attendees complete enrollment by February 15, 2003. Fees are payable by check in U.S. dollars. In exceptional circumstances fee reductions or waivers may be granted; please contact the Course Chairman. Attendees will be responsible for their own travel, lodging, and meals; however, the Course Coordinator has arranged a block of rooms at a nearby hotel at a favorable rate for attendees who wish to stay there.

Course Fees:

| <u>Section</u> | <u>I</u> | <u>II</u> | <u>I + II</u> |
|-------------------------|----------|-----------|---------------|
| Industry/Private Sector | \$1250 | \$1250 | \$2100 |
| Academic/Government | \$600 | \$600 | \$1100 |

Please make checks payable to "University of Maryland," and send to: Course Coordinator, Center for Fluorescence Spectroscopy, University of Maryland Medical School, 725 West Lombard St., Baltimore, MD 21201.

rescence Spectroscopy, Department of Biochemistry and Molecular Biology, University of Maryland School of Medicine, 725 West Lombard Street, Baltimore, MD, 21201.

For registration form, questions and comments about

the course, fees, or travel and lodging arrangements, please contact the Course Coordinator, Mary Rosenfeld at (410) 706-8409 or FAX (410) 706-8408 e-mail: cfs@cfs.umbi.umd.edu or visit our web site at <http://cfs.umbi.umd.edu>