

## **Workshop “Bioanalytical and Biomedical Applications of Fluorescence Techniques: Instrument Characterization and Validation, Traceability, and Need for Reference Materials”**

**1-Day Workshop: June 16, 2003. Enrollment Fee: ~150 €**

The aim of this 1-day workshop to be held at BERM-9 in Berlin, Germany, is the discussion of the current state of quality assurance in bioanalytically and biomedically applied fluorescence techniques. In particular, strategies to implement, improve, and simplify quality assurance according to EN ISO/IEC 17025, and to facilitate interlaboratory comparability of fluorescence data, as well as instrument characterization and performance validation, will be presented. Various fluorescence techniques such as steady-state and time-resolved fluorometry, laser flow cytometry, confocal fluorescence microscopy, molecular imaging, and fluorescence endoscopy will be discussed with respect to method-related problems and the need for and the requirements on reference materials. Additionally, the current state of available fluorescence standards will be reviewed.

### *Key topics include*

- Fluorescence techniques relevant for bioanalytical and biomedical applications
- Method-related problems
- Need for and requirements on reference materials
- EN ISO/IEC 17025 imposed requirements on luminescence techniques and quality assurance
- Traceability of fluorometry
- Regulations and recommendations in fluorometry

For further information, please contact the workshop organizers *Dr. Ute Resch-Genger*, Federal Institute for Materials Research and Testing (BAM), [ute.resch@bam.de](mailto:ute.resch@bam.de); or *Dr. Rainer Macdonald*, Physikalisch-Technische Bundesanstalt (PTB), [rainer.macdonald@ptb.de](mailto:rainer.macdonald@ptb.de).