

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

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

The aim of this one-day workshop hold 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. Different 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).