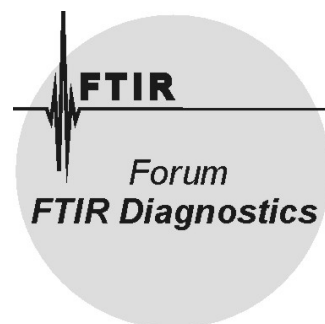


Invitation to the 7th Workshop



FT-IR Spectroscopy in Microbiological and Medical Diagnostics

**Robert Koch-Institute
October 15-16, 2009**

The Scope

The workshop will bring together scientists using infrared and Raman spectroscopic techniques for the characterization and differentiation of intact microbial, plant, animal or human cells to promote exchange of ideas, experiences, and practical problem solutions. Following the lines of our last workshops in Berlin, major points of discussion will be the progress in biomedical vibrational spectroscopic research, recent applications in various fields of biology, microbiology, and new technological developments.

Topics:

- Single cell investigations, biodiversity, microbial population analyses
- Heterogeneity of microbial habitats and biofilm production
- Cell/drug interaction, resistance development and testing
- Microspectroscopic studies of individual human cells
- Spectral reference data and models for identification of microorganisms
- Biothreat agents identification
- Epidemiological studies, maintenance of culture collections, therapy control, investigation of infection chains, hygiene control
- Microbiological analysis in the pharmaceutical, food, and water supply industries, and in biotechnology
- New technical developments, combined methods applications
- New trends in spectral data analysis

Program structure

The workshop will be organized along two days of lecturing (15 to 30 minutes for each talk) discussion, and poster presentations.

Registration: Please, do not forget to register early and use enclosed form.

Abstracts

Abstracts (in English) are required for lecture and poster presentations.

Deadline for abstract submission: August 31st, 2009

All abstracts should be sent by e-mail in the format MS Word for Windows (don't use MS Word for Macintosh!).

Please, send abstracts as an attachment.

Please prepare the abstract on **one page** in the following form:

<i>Title of the Lecture or Poster</i>	Times New Roman, bold, <i>italics</i> , 14 pt centred
<one line skipped>	14 pt
Name of the author(s)	Times New Roman, 14 pt, centred
<one line skipped>	12 pt
Institution, Address	Times New Roman, 12 pt, centred
<one line skipped>	12 pt
Text	12 pt
<one line skipped>	12 pt
References	10 pt

References should be cited as follows:

- [1] M. Beekes, P. Lasch, D. Naumann, *Vet Microbiol.* 123, 305-319 (2007).
- [2] D. Naumann, in: P. Lasch, J. Kneipp (eds.): "Biomedical vibrational spectroscopy", p. 1-8, John Wiley & Sons, Inc. (2008).

The name of the author who will present the paper should be underlined. The whole abstract should fit into a 160 x 245 mm, portrait-oriented rectangle (paper format: 210 x 297 mm = DIN A4). The upper and left margins should be set to 25 mm. The text of the abstract should be single spaced and typed with a Times New Roman font, 12 pt.

Abstracts of all lectures and posters will be published in an abstract booklet available at the registration desk of the workshop and will be published after the workshop in the internet.

Invitation and registration form will be soon available also from our website <http://midas.rki.de>

Organisation:

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