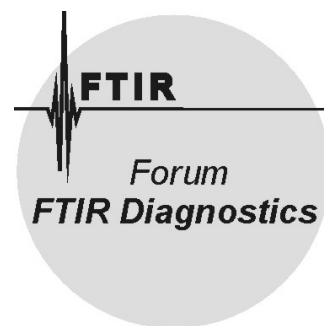


# Invitation to the 8<sup>th</sup> Workshop



## FT-IR Spectroscopy in Microbiological and Medical Diagnostics

**Robert Koch-Institute**  
**October 20-21, 2011**

### 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 vibrational spectroscopic research, recent applications in various fields of microbiology, bio-medicine and new technological developments.

### Topics:

- Microspectroscopic characterization of microbial colonies, biofilms, population analyses, single cell investigations
- Diagnostics in bio-medicine
- Microspectroscopic studies of individual human cells
- Cell/drug interaction, resistance development and testing
- Epidemiological studies, maintenance of culture collections, therapy control, investigation of infection chains, hygiene control
- Microbiological analyses in the pharmaceutical, food, and water supply industries, and in biotechnology
- New trends in spectral data analysis of complex biological structures
- New technical developments

## Program structure

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

**Registration deadline: September 30<sup>th</sup>, 2011.** Please, use enclosed form.

## Abstracts

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

**Deadline for abstract submission: August 31<sup>st</sup>, 2011**

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:

<b><i>Title of the Lecture or Poster</i></b>	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 available also from our website <http://www.mara-ms.com>**

Organisation:

Dr. Peter Lasch, RKI Berlin, Phone: +49 30 18754 2405, e-mail: [laschP@rki.de](mailto:laschP@rki.de)

Dr. Jürgen Schmitt, Synthon GmbH, e-mail: [schmitt@synthon-analytics.de](mailto:schmitt@synthon-analytics.de)

Dr. Mareike Wenning, ZIEL Weihenstephan, TU München, e-mail: [mareike.wenning@wzw.tum.de](mailto:mareike.wenning@wzw.tum.de)