



FT-IR Spectroscopy in Microbiological and Medical Diagnostics

Robert Koch-Institute

October 24-25, 2013

The Scope

The 2013 Workshop will continue the tradition of highlighting bi-annually the relevant fields of applications of biomedical vibrational spectroscopy and 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, 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

Program structure

The workshop will be organized along two days of lecturing (15 or 20 minutes for each talk) discussion, and poster presentations.

Registration:

Please register online at <http://www.ftir-workshop.org>

Deadline for registration: **October 10, 2013**

Abstracts

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

Deadline for abstract submission: **August 30, 2013**

Abstracts should be prepared in a data format which is compatible with Microsoft Word (*.doc. or *.docx). When preparing an abstract please follow the guidelines below. Send abstracts as e-mail attachments to info@ftir-workshop.org. We will also prepare an online form for abstract submission.

Format of the abstract: 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	Times New Roman font, 12 pt, single spaced <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 presenting author should be underlined. The whole abstract should fit into a portrait-oriented rectangle of a size of 160 x 245 mm (paper format DIN A4). Please set the width of all margins to 25 mm.

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 are available also from our website:

<http://www.ftir-workshop.org>

Organisation:

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