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WORKSHOP

BIOMEDICAL OPTICS AND OPHTHALMOLOGY

**OPTICAL METHODS IN DERMATOLOGY –
PHYSIOLOGY, DIAGNOSTICS; AND THERAPY**

June, 13th 2017

**„Hörsaalruine“ of
Berliner Medizinhistorisches Museum der Charité
Charitéplatz 1 (on campus: Virchowweg 17)
10117 Berlin**

Workshop BioMedical Optics and Ophthalmology

„Optical methods in dermatology – physiology, diagnostics, and therapy“

June 13th 2017

PROGRAM

13:00 – 13:20	Welcome (Prof. Dr. Jürgen Lademann, Charité, Dr. Frank Lerch, OpTecBB e.V.)
13:20 – 13:40	The application of laser scanning microscopy in dermatology (Dr. Alexa Patzelt, Charité)
13:40 - 14:00	Depth profiling of the stratum corneum using confocal raman microscopy (Dr. Johannes Schleusener, Charité)
14:00 – 14:20	Shifted excitation raman difference spectroscopy – a powerful modality for sensing, diagnostics and therapy (Priv.-Doz. Dr. Bernd Sumpf, Ferdinand-Braun-Institut)
14:20 – 14:40	On the elemental distribution, chemical speciation and bio-kinetics of tattoo pigments in human skin and lymph nodes by means of synchrotron μ XRF (Dr. Bernhard Hesse, Xploraytion GmbH)
14:40 – 15:00	Spectral measurement of the sun protection factors (SPF) of sunscreens without erythema formation (Dr. Jürgen Helfmann, Dr. Carina Reble, Dr. Ingo Gersonde, ehem. LMTB)
15:00 – 16:00	Break and networking
16:00 – 16:20	Application of electron spin resonance spectroscopy in dermatology (Dr. Silke Lohan, Charité)
16:20 - 16:40	Optical and non-optical skin measurement in dermatology – overview and future challenges (Georg Khazaka, Courage + Khazaka)
16:40 – 17:00	Using laser technologies in tattoo removal (Dr. Carsten M. Philipp, Evangelische Elisabeth Klinik)
17:00 – 17:20	Non visual effects of light in the eye and on skin (Prof. Dr.-Ing. Stephan Völker TU Berlin, Lichttechnik)
17:20 – 18:00	Imaging in dermatology - What is possible, what is necessary, what is useful (Prof. Dr. med. Julia Welzel, Klinikum Augsburg)
18:00 – 19:00	Tour of the museum, get together and networking

REGISTRATION

Workshop Biomedical Optics and Ophthalmology

Optical methods in dermatology – physiology, diagnostics, and therapy

Tuesday, June 13th 2017

Hörsaalruine of Berliner Medizinhistorisches Museum der Charité

Charitéplatz 1 (on campus: Virchowweg 17), 10117 Berlin

Please register until June, 2nd 2017

Please reply to Optec Berlin Brandenburg e.V., Mr. Reschke, or

Online http://optecbb.de/lang/de/anmeldung_20170613_hfk_biomed.php

per E-Mail: optecbb@optecbb.de or Fax: +49-30-6392-1729

Name, first name:

Titel:

Institution:

Address:

Tel./FAX:

E-Mail:

Participation is free of charge.

The workshop will be held in English.

Organizers:

