



SCHOOL OF BIOPHOTONICS 2013

SLOVAKIA
KOŠICE, 17–30 JUNE 2013
(EUROPEAN CAPITAL OF CULTURE 2013)

MOTIVATION AND OBJECTIVES

The course aim is addressing the task of improving theoretical as well as practical knowledge of doctoral students in advanced methods of biophotonics.

ORGANIZED BY:

DOCTORAL SCHOOLS

- Biophysics (P. J. Šafárik University, Košice, Slovakia)
- Interdisciplinaire pour le Vivant (Université P. et M. Curie, Paris, France)

LASERLAB EUROPE (USER COMMUNITY TRAINING)

TOPICS:

THEORETICAL COURSES (24 HOURS)

Introduction (repetitorium in optics and spectroscopy)
Principles of optical experiments
Fluorescence microscopy techniques
Raman spectroscopy and imaging
Time-resolved techniques
Advanced laser techniques
Lasers in medicine
Cultural and environmental applications

PRACTICAL TRAINING (8 HOURS)

INDIVIDUAL PROJECTS (30 HOURS)

LECTURERS/TEACHERS:

G. Bánó, W. Becker, R. Cicchi, D. Chorvát, A. Chorvátová, G. Fabriciová,
D. Jancura, Z. Jurašeková, I. Kelemen, P. Miškovský, Z. Nad'ová,
J. Popp, S. Sanchez Cortes, F. Sureau



NUMBER OF CREDITS: 20

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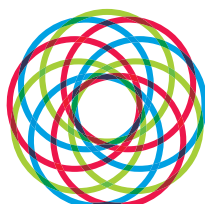
ORGANIZED AND SPONSORED BY

University of P. J. Šafárik, Košice; Université P. et M. Curie, Paris; Laserlab Europe;
International Laser Centre, Bratislava, Becker & Hickl, GmbH, ILC SPIE Student Chapter



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DEPARTMENT
OF BIOPHYSICS

LET THE LIGHT WORK FOR HEALTH AND ARTS