



Report on School of Biophotonics

June 17 - 28 2013, Kosice, Slovakia

- Place:** Department of Biophysics, P. J. Safarik University, Jesenna 5 04154
Kosice, Slovakia
- Date:** 18. 06. 2013 – 26. 06. 2013
- Topic:** The course aim is addressing the task of improving theoretical as well as practical knowledge of doctoral students in advanced methods of biophotonics.
- The course will offer to students to reach knowledge on recent advances in biophotonic research which open new possibilities of non-contact, high-speed, multi-dimensional measurement.
- Organized by:** **doctoral schools:** Biophysics (P. J. Safarik University, Kosice, Slovakia), Interdisciplinaire pour être vivant (Université P. et M. Curie, Paris, France)
- Laserlab Europe** (User Community Training)
- FP7 EU project CELIM 316312**
- International laser Center, Bratislava, Slovakia**
- Sponsored by:** **Laserlab Europe III** : <http://www.laserlab-europe.eu>
FP7 EU project CELIM 316310: <http://celim.science.upjs.sk/web/>
Becker and Hickl, GmbH: <http://www.becker-hickl.de>
University of P. J. Safarik: <http://www.upjs.sk>
SPIE Student Chapter grant:
http://spie.org/x1742.xml?chapter_id=1059417

The School of Biophotonics was held in Kosice, Slovakia, since June 17th to 28th, 2013 as a joint activity of Dept. of Biophysics, Faculty of Natural Sciences, University of P. J. Safarik in Kosice and the International Laser Centre in Bratislava (both in Slovakia). It was organized within the frames and with support of 7FP projects Laserlab Europe (ID#284464) and CELIM - Fostering Excellence in Multiscale Cell Imaging (ID# 316310). The School was adjusted to doctoral schools of Biophysics (P. J. Safarik University, Kosice, Slovakia) and Interdisciplinaire pour être vivant (Université P. et M. Curie, Paris, France) and was further supported by Becker and Hickl, GmbH and ILC SPIE Student Chapter.

The main purpose of the School was to improve both theoretical as well as practical knowledge of doctoral students in advanced methods of biophotonics. The course provided students with a set of lectures on recent advances in biophotonic research, namely optical spectroscopy, imaging and time-resolved techniques. The lectures were coherently supplemented with practical demonstrations of the respective experimental techniques. Moreover, the interdisciplinary teams (each of 3-4 students) were formed which had to select and develop their own individual projects, related to the focus of the School. The projects



were publicly defended and evaluated during the last day of the School and prizes were awarded during the closing ceremony for the best student contributions.

The School of Biophotonics was attended by 18 PhD students from 5 countries, the lectures and practical training were impacted by 14 internationally recognized experts in the field of Biophotonics (invited foreign speakers include prof. J. Popp, Dr. M.Capitanio, Dr. L. Kelemen, Dr. S. Sanchez Cortes, Dr. F. Sureau and Dr. W. Becker). The students were provided with dedicated lectures on Safety and Good Laboratory Practice, as well as Ethics Issues in Biophotonics.

In summary, the School of Biophotonics in Kosice was highly acclaimed by all of the participants, as well as lecturers. The student's teams presented high-quality research that we believe can lead in future to new collaborative proposals for Laserlab Europe Access program.

prof. Pavol Miskovsky
June 29, 2013



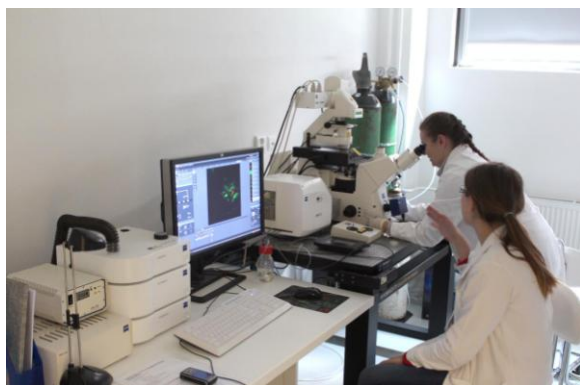
Lecture of prof. J. Popp (IPHT Jena)



Lecture of Dr. D. Chorvat (ILC Bratislava)



Participants in the Lecture room



Participants doing practical exercise



Public defense of the student's projects



The winning team receiving price