

LIGHTSHEET AND SUPER-RESOLUTION TECHNIQUES WITH LOW PHOTOTOXICITY AND AUTOFLUORESCENCE FOR PLANT TISSUES

PRACTICAL SESSIONS ON MULTISPECTRAL CONFOCAL SYSTEM **LEICA SP8X** WITH
LIGHTNING, LIGHT-SHEET, **LEICA DVM6, S9i** AND **DM750**

9. – 11. MAY 2018

LOCATION: INSTITUTE OF EXPERIMENTAL BOTANY

CENTRE OF PLANT STRUCTURAL AND FUNCTIONAL GENOMICS, ŠLECHTITELŮ 31, 783 71, ROOM 105,
OLOMOUC-HOLICE, CZECH REPUBLIC

ORGANIZERS AND SPEAKERS

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(INSTITUTE OF EXPERIMENTAL BOTANY, CENTRE OF PLANT STRUCTURAL AND FUNCTIONAL GENOMICS)

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DANIEL SMEETS

(APPLICATION MANAGER, LEICA MICROSYSTEMS)

MARTIN KOPECKÝ

(SALES MANAGER, PRAGOLAB s.r.o.)



PRELIMINARY PROGRAMME

MAY 9, **WEDNESDAY**

08:45	REGISTRATION
08:55 – 09:00	WELCOME BY MARTIN KOPECKÝ, JAROSLAV DOLEŽEL
09:00 – 09:20	OUR RESEARCH PROGRAM AND ITS FUTURE WITH HIGH RESOLUTION JAROSLAV DOLEŽEL
09:20 – 10:10	SP8 WHITE LIGHT LASER – THE WHITE CONFOCAL AND LIGHTNING – THE FAST, GENTLE AND SENSITIVE CONFOCAL SUPER-RESOLUTION APPROACH DANIEL SMEETS
10:10 – 10:40	PRACTICAL ASPECTS OF STED MICROSCOPY IVAN NOVOTNÝ
10:40 – 11:00	COFFEE BREAK
11:00 – 11:40	FROM SP8 TO DIGITAL LIGHT SHEET – INTRODUCTION AND SAMPLE PREPARATION DANIEL SMEETS
11:40 – 12:10	SUPERRESOLUTION LIVE IMAGING OF PLANTS KOMIS GEORGIOS
12:10 – 12:50	OPEN DISCUSSION WITH ALL SPEAKERS ALL SPEAKERS + MODERATOR
13:00 – 13:45	LUNCH
14:00 – 16:00	PRACTICAL HANDS ON SESSION 1A (Leica SP8 X + DLS MODULE) PRACTICAL HANDS ON SESSION 1B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)




MAY 10, THURSDAY

9:00 – 11:00	<p>PRACTICAL HANDS ON SESSION 2A (Leica SP8 X + DLS MODULE)</p> <p>PRACTICAL HANDS ON SESSION 2B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)</p>
12:00 – 14:00	<p>PRACTICAL HANDS ON SESSION 3A (Leica SP8 X + DLS MODULE)</p> <p>PRACTICAL HANDS ON SESSION 3B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)</p>
14:30 – 16:30	<p>PRACTICAL HANDS ON SESSION 4A (Leica SP8 X + DLS MODULE)</p> <p>PRACTICAL HANDS ON SESSION 4B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)</p>

MAY 11, FRIDAY

9:00 – 11:00	<p>PRACTICAL HANDS ON SESSION 5A (Leica SP8 X + DLS MODULE)</p> <p>PRACTICAL HANDS ON SESSION 5B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)</p>
12:00 – 14:00	<p>PRACTICAL HANDS ON SESSION 6A (Leica SP8 X + DLS MODULE)</p> <p>PRACTICAL HANDS ON SESSION 6B (Leica DVM6 + Leica S9i + Leica DM2500 + Leica DM750)</p>



SAMPLES PREPARATION FOR DIGITAL LIGHT SHEET:

FOR LEICA DLS LIGHT SHEET DOWNLOAD SIMPLE SAMPLE PREPARATION GUIDE [HERE](#) AND WITH PRACTICAL PICTURES [HERE](#).

YOU CAN ALSO READ ARTICLE ON [LEICA SCIENCE WEB](#).

REGISTRATION:

PLEASE REGISTER AS SOON AS POSSIBLE, THE CAPACITY IS LIMITED! FEE FOR THIS WORKSHOP IS **FOR FREE** BUT REGISTRATION IS REQUIRED AND INCLUDES COFFEE BREAKS REFRESHMENT

USE THE FORM ON THE WEBSITE WWW.PRAGOLAB.CZ/SP8X OR REGISTRATION FORM [HERE](#)

REGISTRATION FOR DEMONSTRATION AND HANDS-ON SESSIONS IS OBLIGATORY. EACH SESSION - 120 MIN.; **MAX 6 PEOPLE**.

REGISTER FOR A PARTICULAR TIME SLOT IN THE REGISTRATION FORM.

PLEASE BE PRESENT FOR THE HANDS-ON SESSION 15 MINUTES IN ADVANCE. YOU CAN BRING YOUR OWN SAMPLES BUT BE AWARE THAT ONLY 2 SAMPLES CAN BE DONE IN 1 HANDS-ON SESSION.

PLEASE INFORM US ABOUT YOUR SAMPLES IN ADVANCE

In case of any questions please contact us by e-mail.

CONTACT PERSON:

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