

## UOBC Training Course Series 2015

### *Basic Fluorescence Microscopy and Image Analysis*

UI-Olympus Bioimaging Center – 3 rd Floor ILRC Building Universitas Indonesia, Depok

Tuesday – September 29th, 2015

Time	Rundown	Venue
08.15 - 08.30	<i>Arrival and Registration of Participants</i>	<i>Terrace of UOBC</i>
08.30 - 09.00	Opening : Course Introduction and Pre-Test	Teaching Hall - ILRC
09.00 - 10.00	<b>Fluorescence Microscopy Essentials :</b> Fluorescence, Fluorochrome Fundamentals, Principle of Fluorescence Microscopy.	Teaching Hall - ILRC
10.00 - 10.15	<i>Coffee break</i>	<i>Terrace of UOBC</i>
10.15 – 12.00	<b>Basic Fluorescence System and It's Utility :</b> Basic Configurations of Upright-Inverted-Stereo Fluorescence Microscope and it's application to Support Research Performances	Teaching Hall - ILRC
12.00 - 12.30	<i>Lunch Break and Pray</i>	<i>Terrace of UOBC</i>
12.30 – 14.00	<b>Image Processing and Analysis</b>	Teaching Hall - ILRC
14.00 - 16.00	<b>Demo of CellSens v1.11 and Hands-On :</b> <ul style="list-style-type: none"><li>- Upright FL (BX53 FL+Camera)</li><li>- Stereo FL (SZX16 FL+Camera)</li><li>- Inverted FL (IX73FL+DP73 Camera)</li><li>- Boxtype-Motorized FL (FV10i)</li></ul> Discussion – Q and A	Optic Hall of UOBC
16.00 - 16.15	Assessment and feedback	Teaching Hall - ILRC
16.15 - 16.30	Certification, Closing and Photo Session	Teaching Hall - ILRC

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Wednesday-Thursday , October 29<sup>th</sup> 2015

Time	Rundown	Tempat
<b>Day 1 (Wednesday, October 28<sup>th</sup>, 2015)</b>		
08.15 - 08.30	<i>Arrival and Registration of Participants</i>	<i>Terrace of UOBC</i>
08.30 - 09.00	Opening : Course Introduction and Pre-Test	Teaching Hall - ILRC
09.00 - 10.00	<b>Basic Confocal Microscopy</b> Introduction: Widefield vs Confocal Principle (What, Why, Who, When, How?) CLSM System (FV1200 and FV10i)	Teaching Hall - ILRC
10.00 - 10.15	<i>Coffee break</i>	<i>Terrace of UOBC</i>
10.15 – 12.00	<b>Application Talk and Basic of Live Cell Imaging</b> Application of Confocal Microscopy Introduction to Live Cell Imaging LCI systems and its functions	Teaching Hall - ILRC
12.00 - 12.30	<i>Lunch Break and Pray</i>	<i>Terrace of UOBC</i>
12.30 – 13.30	<b>Designing Research using Confocal Microscopy</b>	
13.30 – 16.00	<b>Demo and Hands-On :</b> <ul style="list-style-type: none"> <li>- Sample Preparation and Staining</li> <li>- IX73</li> <li>- FV10i and FV1200</li> </ul> Discussion – Q and A, <b>Wrap Up</b>	Optic Hall of UOBC
<b>Day 2 ( Thursday, October 29<sup>th</sup>, 2015)</b>		
08.15 - 08.30	<i>Arrival and Registration of Participants</i>	<i>Terrace of UOBC</i>
08.30 - 10.00	<b>Basic of Sample Preparation for Confocal Microscopy</b> Fluorescence Sample Preparation and Staining Fundamental of Live Cell Culture Preparation and Staining	Teaching Hall - ILRC
09.30 - 11.00	<b>Observation and Exercise :</b> <ul style="list-style-type: none"> <li>- FV10i</li> <li>- FV1200</li> </ul> Discussion – Q and A, Assessment and feedback	
11.00-12.00	Certification and Photo Session Closing and Anniversary Lunch <b>*join with Award Announcement</b>	Teaching Hall - ILRC