

**HIS 2021:** Life science special lecture III - Advanced Fluorescence Microscopy in Life Science Research and Practical bioimaging workshop for life sciences & Integrated Materials and Life Science (Molecular Cell Dynamics I and II) –

**Mainly on-demand (Virtual) except for the final examination on Sep 4 and some lectures with individual instructions.**

	Aug 29 <sup>th</sup>	Time in JST (CET)	Aug 30 <sup>th</sup>	Aug 31 <sup>st</sup>	Sep 1 <sup>st</sup>	Sep 2 <sup>nd</sup>	Sep 3 <sup>rd</sup>	Sep 4 <sup>th</sup>	Sep 5 <sup>th</sup>
A R R I V A L	09:00 – 09:15 (01:00-1:15)	<b>M. Kinjo</b> Welcome and introduction	<b>T. Haraguchi</b> Fluorescence microscopy: live cells	<b>S. Oasa</b> Artefacts in FCS	<b>V. Vukojevic</b> FCCS in live cells	<b>T. Wohland</b> Spatiotemporal FCS	<b>Self-study</b>		
	09:15 – 09:45 (01:15-01:45)	<b>Students' presentations</b>							
	10:00 – 10:45 (02:00-02:45)	<b>Y. Hiraoka</b> Fluorescence microscopy: basic concepts	<b>V. Vukojevic</b> FCS studies of molecular interactions	<b>T. Wohland</b> FCCS basics	<b>I. Wada</b> PCH	<b>T. Wohland</b> The data fitting for confocal FCS			
	11:00 – 11:45 (03:00-03*45)	<b>T. Wohland</b> FCS basics	<b>Y. Hirano</b> Impacts of aberrations in microscopy			<b>T. Wohland</b> The data fitting in Imaging FCS			
	12:00 – 13:00 (04:00-05:00)	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break			
	13:00 – 14:00 (05:00-06:00)	<b>J. Yamamoto</b> TBA	<b>A. Kitamura</b> TBA	<b>J. Yamamoto</b> TBA	<b>A. Kitamura</b> TBA	<b>S. Oasa</b> mpFCS in live cell			<b>Examination by Online</b> JST17:00 – 20:00 (CET 09:00-12:00)
	14:00 – 15:00 (06:00-07:00)	Demonstration: FCS in solution	Demonstration: FCS in live cells	Demonstration: FCCS in solution	Demonstration: FCCS in live cells				
	15:00 – 16:30 (07:00-08:30)	Data Analysis	Data Analysis	Data Analysis	Data Analysis				<b>M. Kinjo</b> Certificates & Farewell
	17:00 – 18:00 (09:00-10:00)	<b>Consultations (Live breakout sessions)</b>	<b>Consultations (Live breakout sessions)</b>	<b>Consultations (Live breakout sessions)</b>	<b>Consultations (Live breakout sessions)</b>				