

Week 1

Time	Mon (6 th)	Tues (7 th)	Wed (8 th)	Thu (9 th)	Fri (10 th)	Sat (11 th)	Sun
9-10	Welcome	Intro	Intro	Intro	Intro	Intro	S O C I A L E V E N T
10-12	Oliver Griesbeck	Sabine Krabbe	Andrea Giovannucci	Group presentations	Tobias Rose	Alon Rubin	
Lunch		Speaker: Marco Brockmann, Inscopix		Speaker: Max Eisele TOPTICA			
13-17	1P miniscope (A, B)	1P miniscope (C, D)	1P Analysis (All groups)	Surgical techniques & <i>in vivo</i> Ca ²⁺ Imaging (A, B)	Surgical techniques & <i>in vivo</i> Ca ²⁺ Imaging (C, D)	2P Analysis (All groups)	
	<i>In vitro</i> sensors (C, D)	<i>In vitro</i> sensors (A, B)		Lightsheet (C, D)	Lightsheet (A, B)		
17-18	Wrap-up	Wrap-up	Wrap-up	Jennifer Treweek	Wrap-up	Wrap-up	
Evening	Speaker Dinner	Speaker Dinner	Speaker Dinner		Speaker Dinner	Speaker Dinner	

Week 2

Time	Mon (13 th)	Tues (14 th)	Wed (15 th)	Thu (16 th)	Fri (17 th)	Sat (18 th)	Sun
9-10	Intro	Intro	Intro	Intro	Intro	Intro	D E P A R T U R E
10-12	Johannes Vierock	Hongbo Jia	Mackenzie Mathis	Jelena Platisa-Popovic	Nicolò Accanto	Pedro Goncalves	
Lunch					Speaker: Axel Wehling, Coherent		
13-17	Motor Cortex (A) Pupillometry (B)	Motor Cortex (B) Pupillometry (A)	Optogenetics & Behavioural Analysis (All groups)	Motor Cortex (C) Pupillometry (D)	Motor Cortex (D) Pupillometry (C)	Optogenetics & Behavioural Analysis (All groups)	
	VR (C) Treadmill (D)	VR (D) Treadmill (C)		VR (A) Treadmill (B)	VR (B) Treadmill (A)		
17-18	Wrap-up	Wrap-up	Wrap-up	Wrap-up	Wrap-up	Wrap-up	
Evening	Speaker Dinner	Speaker Dinner	Speaker Dinner	Speaker Dinner	Speaker Dinner	Speaker Dinner	

Course Schedule. Practical sessions are organized around the three main scientific goals: advanced tools & their applications (orange), state-of-the-art imaging hardware (blue), inclusive and open-source data analysis (green). Four groups (A, B, C and D) will rotate through practical hands-on experiments on various set-ups and all groups will complete data analysis together following collection of experimental data.