SUPER-RESOLUTION 2021

PROGRAM

	Day 1	TUESDAY, Dec. 7, 2021	
	09:00	Introductory word, practical information & course organization.	Ivan Novotný
THEORY	09:30 coffee bread 10:30 11:15 lunch 12:00 13:00 13:30	Principles of microscopy image deconvolution. High resolution computational methods.	Ivan Novotný Martin Čapek Michaela Efenberková Pragolab/Leica OptiXs/Andor
ON - PLACE	14:00 coffee bread 16:00 coffee bread 18:00	Practical sessions (3 parallel groups): HiRes Confocal(group2) Lightning(group3) SRRF(group1)	
	20:00	WrapUp, discussion and sendwich dinner	

Day 2 WEDNESDAY, Dec. 8, 2021

	09:00	2x scientific lecture.	TBA
THEORY	10:00 coffee brea 10:45 11:15 11:45	Srtuctured illumination microscopy - SIM. k SIM and confocal microscope - similarities and differences. Lattice SIM Advanced stable Fluoro-Dyes for SR microscopy	Martin Čapek Ivan Novotný ZEISS - Pavel Krist Sven Biolabs
	lunch 12:15		
ON - PLACE	13:00	Practical sessions (3 parallel groups): SIM(group1) LatticeSIM(group2) SIM reconstruction(group3)	
	coffee brea		
	15:00	Practical sessions (3 parallel groups): SIM(group2) LatticeSIM(group3) SIM reconstruction(group1)	
	coffee brea		
	17:00	Practical sessions (3 parallel groups): SIM(group3) LatticeSIM(group1) SIM reconstruction(group2)	
	20:00	Super-resolved SOCIAL EVENT	



https://www.img.cas.cz/events/courses/

December 7-9, 2021 Institute of Molecular Genetics of the Czech Academy of Sciences Prague | Czech Republic







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Day 3 THURSDAY, Dec. 9, 2021

09:00 2x short scientific lecture.

THEORY	09:30 coffee bread 10:30 11:30 lunch 12:00	Single molecule localization microscopy - SMLM. TBA, (Solutions for localization microscopy)	Ivan Novotný Marie Olšinová NIKON	MICROSYSTEMS Authorized Distributor	Seeing beyond
ON - PLACE	13:00 coffee bread 15:30 coffee bread	Practical sessions (2 parallel groups): STED(group1) dSTORM/3D PALM(group2)		VIEN BIOLABS S.R.O. WWW.SVERBIOLABS.CZ	WWW.SVI.Nl Makers of the Hoygens Software
	18:00 18:30	TBA, (Consumable equipment for advanced microscopy) Take-home message from SR light microscopy	KRD Participants	• KRD	Nikon
	19:00	Conclusion & Farewell dinner			www.nikon.cz