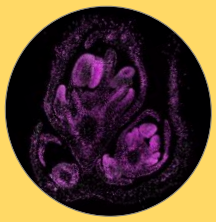
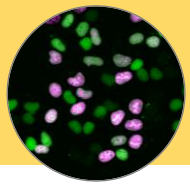
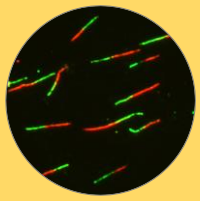



ScanR workshop:

Pushing the boundaries of high-content imaging

August 22-23, 2024, Institute of Biophysics, Brno, Czechia




DAY 1: August 22, 2024

9:00-10:00	Arrival and registration	**14:30-16:00**	**HANDS-ON SESSION I** **SpinSR system: from high-content imaging to super-resolution** *led by Tomas Pop and Hana Polasek-Sedlackova* **When CellSens meets ScanR** *led by Tomas Jendrulek and Vaclav Bacovsky* **Beyond image analysis limits with TruAI deep learning module** *led by Manoel Veiga*
10:00-10:15	Welcome and introductory remarks by organizers **Chair: Kumar Somyajit**		
10:15-11:00	Keynote lecture: Microscopes, telescopes and quantitative imaging **Luis Toledo**, *Novo Holdings SeedLab & Nodus Oncology*		
11:00-11:20	The importance of long-patch DNA single-strand break repair during the cell cycle in human cells **Kamila Burdova**, *Institute of Molecular Genetics, CAS*	**16:00-16:30**	Coffee break
11:20-11:40	DNA polymerase α-primase facilitates PARP inhibitor-induced replication fork acceleration **Pavel Moudry**, *Palacky University Olomouc*	**16:30-18:00**	**HANDS-ON SESSION II** **SpinSR system: from high-content imaging to super-resolution** *led by Tomas Pop and Hana Polasek-Sedlackova* **When CellSens meets ScanR** *led by Tomas Jendrulek and Vaclav Bacovsky* **Tips & Tricks on how to present high-content imaging data** *led by Kumar Somyajit*
11:40-11:50	Group photo at the IBP entrance		
11:50-13:00	Lunch and coffee with networking **Chair: Panos Galanos**		
13:00-13:30	TruAI fifth anniversary: a review of continuous improvements in deep learning **Manoel Veiga**, *Olympus/Evident*	**18:10**	Meeting at IBP reception followed by relocation to tram stop *Skacelova*
13:30-14:00	From single cells to single molecules: Introducing qAID workflow to study replication dynamics **Hana Polasek-Sedlackova**, *Institute of Biophysics, CAS*	**18:20-18:40**	Tram ride to Mendel square
		19:00-20:00	Guided tour in Mendel museum
14:00-14:30	Break	**20:00-22:00**	Gala dinner in Mendel greenhouse

DAY 2: August 23, 2024

9:00-10:00	Coffee with networking **Chair: Hana Polasek-Sedlackova**	**13:30-15:00**	**HANDS-ON SESSION III** **SpinSR system: from high-content imaging to super-resolution** *led by Tomas Pop and Hana Polasek-Sedlackova* **When CellSens meets ScanR** *led by Tomas Jendrulek and Vaclav Bacovsky* **Tips & Tricks on how to present high-content imaging data** *led by Kumar Somyajit*
10:00-10:45	Keynote lecture: Expecting the unexpected: When high-content imaging meets quantitative cell biology **Kumar Somyajit**, *University of Southern Denmark*		
10:45-11:05	High-throughput screening for novel factors involved in the metabolism of DNA secondary structures **Jana Dobrovolna**, *Institute of Molecular Genetics, CAS*	**15:00-15:30**	Coffee break
11:05-11:25	Beyond the nucleus: Exploring cell fate and metabolism with high-content microscopy **Panos Galanos**, *Danish Cancer Institute*	**15:30-17:00**	**HANDS-ON SESSION IV** **SpinSR system: from high-content imaging to super-resolution** *led by Tomas Pop and Hana Polasek-Sedlackova* **When CellSens meets ScanR** *led by Tomas Jendrulek and Vaclav Bacovsky* **Beyond image analysis limits with TruAI deep learning module** *led by Manoel Veiga*
11:25-11:45	Plant sexual dimorphism during meristem-to-organ transition crossover between molecular and microscopic approaches **Vaclav Bacovsky**, *Institute of Biophysics, CAS*		
11:45-12:00	Closing remarks		
12:00-13:30	Lunch and coffee with networking	**after 17:00**	Departure

Workshop address:

Institute of Biophysics, CAS
Kralovopolska 135
612 00 Brno
Czechia

Gala dinner address:

Mendel Greenhouse
Mendlovo namesti 1a
603 00 Brno
Czechia

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