



PC16 003 FEBS co-sponsored by Instruct course Lab Exe programme

Date	Name of lab exercise	Time						
		14:00-14:45	14:45-15:30	15:30-16:15	16:15-17:00	17:00-17:45	17:45-18:30	18:30-19:15
Tuesday June 28	Conventional techniques and their modifications, crystallization of own proteins [J.Mesters]	3	4	5	6	1	2	
	"The secret life of your crystallization drop"? [B. Rupp]	4	3	6	5	2	1	
	Crystallization of membrane proteins in lipidic systems [M. Caffrey]	1 + 2		3 + 4		5 + 6		
	Observation of crystal growth / Seeding [T. Bergfors]	5		1		3		
	Capillary protein crystallization using counter-diffusion techniques [J. Gavira]		6		2		4	
	<i>Optional exercise:</i> Conventional techniques and crystallization of own proteins [J. Mesters, E. Urbániková]	for selected proteins						
	<i>Optional exercise:</i> Practical Considerations for the Crystallization of Protein-Nucleic Acid Complexes [Ch. Biertümpfel]						1-3	
	<i>Optional exercise:</i> Crystals observation [J. Bruystens]						4-6	
<i>Optional exercise:</i> "Random" Microseeding [S. Kolek]	2		4		6			
Wednesday June 23	Observation of crystal growth / Seeding [T. Bergfors]	6		2		4		
	Capillary protein crystallization using counter-diffusion techniques [J. Gavira]		5		1		3	
	"Random" Microseeding [S. Kolek]	1		3		5		
	Publication of scientific results with emphasis on crystallization communications [H. Einspahr]		2		4		6	
	Practical Considerations for the Crystallization of Protein-Nucleic Acid Complexes [Ch. Biertümpfel]	3		4		6		5
	<i>Optional exercise:</i> "The secret life of your crystallization drop"? [B. Rupp]	according to own interest						
	<i>Optional exercise:</i> Conventional techniques and crystallization of own proteins [J. Mesters, E. Urbániková]	for selected proteins						
<i>Optional exercise:</i> Crystals observation [J. Bruystens]	4		1		2		3	



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Thursday June 30	Dynamic light scattering [K. Dierks]	1		2		3		
	Trace Fluorescent Labeling for Protein Crystallization Screening [M. Pusey]		4		5		6	
	Crystallization under oil [L. Govada]	2		3		4		
	From the biomolecule solution to its 3D structure in a microfluidic chip [C. Sauter]		1		6		5	
	Publication of scientific results with emphasis on crystallization communications [H. Einspahr]	3		1		5		
	<i>Optional exercise:</i> Conventional techniques and crystallization of own proteins [J. Mesters, E. Urbániková]	for selected proteins						
	<i>Optional exercise:</i> Practical Crystallography – how to perform a diffraction experiment? [V. Smith, S. Freisz]	5	2	4	1	6	3	
Friday July 1	Dynamic light scattering [K. Dierks]	4		6		5		
	Trace Fluorescent Labeling for Protein Crystallization Screening [M. Pusey]	1		2		3		
	Crystallization under oil [L. Govada]	6		5		1		
	From the biomolecule solution to its 3D structure in a microfluidic chip [C. Sauter]		3		2		4	
	Practical Crystallography - how to perform a diffraction experiment? [V. Smith, S. Freisz]	3	6	1	5	4	2	
	<i>Optional exercise:</i> Conventional techniques and crystallization of own proteins [J. Mesters, E. Urbániková]	for selected proteins						
	<i>Optional exercise:</i> Crystals for neutron diffraction [J. Ng]	2	1	3	4	2	6	
Saturday July 2	Crystal observation, testing, handling, mounting etc. [J. Brynda]	1-6						