



12th Summer School of Experimental Surgery Pilsen 2025

Programme

1st day

Monday, 30 June 2025

	Groups A and B	Groups C and D	
9:00 - 9:30	Welcome		
9:30 - 10:00	Prof. MUDr. Mgr. Zbyněk Tonar, Ph.D.: Histological Methods in Experiment		
10:00 - 10:30			
10:30 - 11:00			
11:00 - 11:30	Prof. MUDr. Jan Beneš, Ph.D.: Anesthesia of Experimental Animals I		
11:30 - 12:00	Prof. MUDr. Hynek Mírka, Ph.D.: Imaging Methods in Experiment		
12:00 - 12:30			
12:30 - 13:00			
13:00 - 13:30	Lunch		
13:30 - 14:00	Surgical Methods I (basic suture, ligature)	Surgical Methods II (basic principles, instruments and tools)	
14:00 - 14:30			
14:30 - 15:00			
15:00 - 15:30			
15:30 - 16:00			
16:00 - 16:30	Surgical Methods II (basic principles, instruments and tools)	Surgical Methods I (basic suture, ligature)	
16:30 - 17:00			
17:00 - 17:30			
17:30 - 18:00			
18:00 - 18:30			
18:30 - 19:00			
19:00 - 19:30			
19:30 - 20:00			
20:00 - 20:30			
20:30 - 21:00	Welcome Garden Party		
21:00 - 21:30			
21:30 - 22:00			

Legend:

	theoretical lecture
	practical exercise
	break / leisure activity
	ceremony



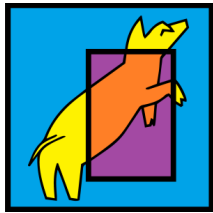
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2nd day

Tuesday, 1 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Surgical Methods III (progressive suture, ligature)	
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30	Prof. RNDr. Ondřej Slabý, Ph.D.: Precision Oncology	
11:30 - 12:00	Lunch	
12:00 - 12:30		
12:30 - 13:00		
13:00 - 13:30	Experimental Practice I (laparotomy, small intestine anastomosis, cholecystectomy, splenectomy, spleen resection, nephrectomy)	Anesthesia of Experimental Animals II
13:30 - 14:00		Basics of Plastic Surgery
14:00 - 14:30		
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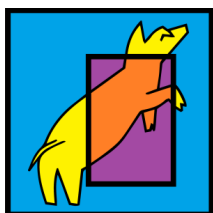
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3rd day

Wednesday, 2 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Surgical Methods IV	
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30	Alessio Naccarati, Ph.D.: Fecal Molecular Biomarkers to Improve Non-Invasive Colorectal Cancer Diagnosis and Screening	
11:30 - 12:00		
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30	Anesthesia of Experimental Animals II	Experimental Practice I (laparotomy, small intestine anastomosis, cholecystectomy, splenectomy, spleen resection, nephrectomy)
13:30 - 14:00		
14:00 - 14:30		
14:30 - 15:00		
15:00 - 15:30	Basics of Plastic Surgery	
15:30 - 16:00		
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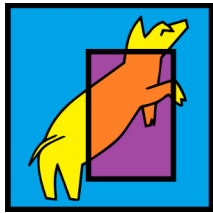
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4th day

Thursday, 3 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Surgical Methods V	Demonstration of Experimental Surgical Techniques and Procedures
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30	Prof. MUDr. Jiří Moláček, Ph.D.: The Role of Vascular Surgery in the 21st Century	
11:30 - 12:00		
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30	Experimental Practice II (training of surgical procedures from first practice lesson)	Petr Hošek, Ph.D.: Statistics
13:30 - 14:00		Basics of Vascular Anastomosis
14:00 - 14:30		
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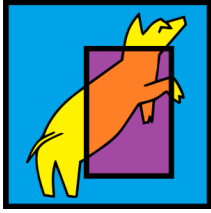
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5th day

Friday, 4 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Demonstration of Experimental Surgical Techniques and Procedures	Surgical Methods V
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30	Dr. M.M.A. Monique Verstegen Ph.D.: Emerging Applications of Extracellular Matrix for Liver Regenerative Medicine	
11:30 - 12:00		
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30	Petr Hošek, Ph.D.: Statistics	Experimental Practice II (training of surgical procedure from first practice lessons)
13:30 - 14:00		
14:00 - 14:30		
14:30 - 15:00	Basics of Vascular Anastomosis	
15:00 - 15:30		
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6th day

Saturday, 5 July 2025

REGENERATION

Free day

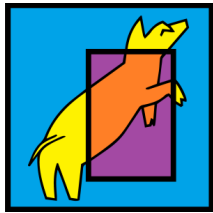


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7th day Sunday, 6 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Sightseeing Trip to Prague	
9:30 - 10:00		
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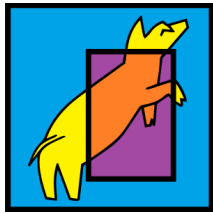
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8th day

Monday, 7 July 2025

	Groups A and B	Groups C and D
8:30 - 9:00	Prof. Dr. med. Pierre-Alain Clavien: What to Know About Liver Surgery	
9:00 - 9:30		
9:30 - 10:00		
10:00 - 10:30	Surgical Methods VI	
10:30 - 11:00		
11:00 - 11:30		
11:30 - 12:00		
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30	Experimental Practice III (vascular suture, urether suturing, small liver resection, training of surgical procedures from the first and second practice lesson)	RNDr. Vladimíra Moulisová, Ph.D.: Introduction to Tissue Engineering
13:30 - 14:00		
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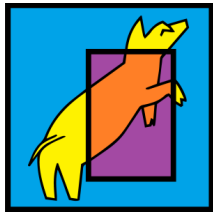
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9th day

Tuesday, 8 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	Experimental Surgery (ethical issues, principle of 3Rs, experimental models, examples of experimental work, introduction of ongoing experiments)	
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00		
11:00 - 11:30	Prof. Ing. Jaroslav Hrabák, Ph.D.: Microbiology in Surgical Practice	
11:30 - 12:00		
12:00 - 12:30	<i>Lunch</i>	
12:30 - 13:00		
13:00 - 13:30	RNDr. Vladimíra Moulisová, Ph.D.: Introduction to Tissue Engineering	Experimental Practice III (vascular suture, urether suturing, small liver resection, training of surgical procedures from the first and second practice lesson)
13:30 - 14:00		
14:00 - 14:30		
14:30 - 15:00		
15:00 - 15:30	Basics of Microsurgery	
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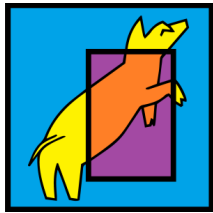
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10th day

Wednesday, 9 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	GIT Surgery I	
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00	Prof. Dr. Inge Herrmann: Innovating Medical Materials and Technology	
11:00 - 11:30	Dr. Alexandre H. C. Anthis: Robust and Intelligent Adhesives for the Abdominal Cavity	
11:30 - 12:00		
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30	Experimental Practice IV (training of surgical procedures from previous lessons)	Miroslav Jiřík, Ph.D.: Software Models
13:30 - 14:00		
14:00 - 14:30		Basics of Microsurgery
14:30 - 15:00		
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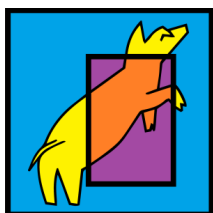
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11th day

Thursday, 10 July 2025

	Groups A and B	Groups C and D	
8:00 - 8:30		Experimental Practice IV (training of surgical procedures from previous lessons)	
8:30 - 9:00			
9:00 - 9:30			
9:30 - 10:00			
10:00 - 10:30			
10:30 - 11:00			
11:00 - 11:30	Miroslav Jiřík, Ph.D.: Software Models		
11:30 - 12:00			
12:00 - 12:30			
12:30 - 13:00			
13:00 - 13:30	Lunch		
13:30 - 14:00			
14:00 - 14:30	Group Photoshoot		
14:30 - 15:00			
15:00 - 15:30			
15:30 - 16:00			
16:00 - 16:30			
16:30 - 17:00			
17:00 - 17:30	Pilsner Urquell Brewery Tour (starts 16:45)		
17:30 - 18:00			
18:00 - 18:30			
18:30 - 19:00			
19:00 - 19:30	Laser Tag Party		
19:30 - 20:00			
20:00 - 20:30			
20:30 - 21:00			



12th Summer School of Experimental Surgery Pilsen 2025

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12th day

Friday, 11 July 2025

	Groups A and B	Groups C and D
9:00 - 9:30	GIT Surgery II	
9:30 - 10:00		
10:00 - 10:30		
10:30 - 11:00	Prof. MUDr. Milan Štengl, Ph.D.: Experimenal Techniques at Cellular Level	
11:00 - 11:30		
11:30 - 12:00	Evaluation of the Summer School	
12:00 - 12:30	Lunch	
12:30 - 13:00		
13:00 - 13:30		
13:30 - 14:00		
14:00 - 14:30		
14:30 - 15:00	Closing Ceremony	
15:00 - 15:30		
15:30 - 16:00		
16:00 - 16:30	Barbecue and Grill Party	
16:30 - 17:00		
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22:00 - 22:30		