

Surgical Research Day 2026

February 6th, 2025, 10.00 - 15.20, Hörsaal 2
Universitätsspital Basel, Spitalstrasse 21, 4031 Basel

10:00 – 10:05 Introductory Note

Prof. Dirk J. Schaefer, Prof. Ivan Martin

10:05 – 10:50 Keynote Lecture:

From cloud to bedside: the pitfalls and the opportunities of AI in medicine

Prof. Carlo Tacchetti
San Raffaele Scientific Institute,
Milan

Chair: Prof. Ivan Martin

Session 1, Chair: Prof. Andreas Albert Müller

10:50 - 11:02

Return to sport after arthroscopic rotator cuff repair: epidemiology and prognostic factors in a Swiss multicentre cohort

Matter Madlaina,
Ortho-Trauma

11:02 - 11:14

Generation of breast cancer patient-derived xenograft models for preclinical research

Palafox Mara,
Exp Surgical Oncology

11:14 - 11:26

Smartphone-Based Artificial Intelligence Workflow for Early and Accessible Cleft Care

Nalabothu Prasad,
Oral Maxillofacial

11:26 - 11:38

Oncological outcomes with and without axillary lymph node dissection in patients with residual micrometastases after neoadjuvant chemotherapy (OPBC-07/microNAC): an international, retrospective cohort study

Heidinger Martin,
Breast

Rapid fire presentations 1

11:38 - 11:41

Contemporary Indications and Outcomes of Open Surgical Cerebral Aneurysm Management in the Endovascular Era: The Lenox Hill Experience

Rychen Jonathan,
Neurosurgery

11:41 - 11:44

Sonication of Orthopaedic Implants: Impact of Implant Size, Container Dimensions, and Sonication Time on Bacterial Recovery

Maai Nader,
Ortho-Trauma

11:44 - 11:47

Nasal chondrocyte Tissue Engineered Cartilage for the treatment of patellofemoral osteoarthritis – a pilot clinical study

Wixmerten Anke,
Ortho-Trauma

11:47 - 11:50

Advancing Paediatric Craniofacial Care with 3D Digital Twins

Cook Steven,
Oral Maxillofacial

11:50 - 11:53

Novel patient-derived organoid xenograft models reveal molecular and clinical trajectories of prostate cancer progression

Parmentier Romuald,
Urology

11:53 - 11:56

The impact of polyurethane coated implants on the risk of capsular contracture after immediate prepectoral breast reconstruction in the setting of postmastectomy radiotherapy: the OPBC-09 PRExRT study

Kiblawi Rama,
Breast

11:56 - 11:59	Improving the Diagnosis, Therapy and Prognostication of Gliomas through Proteomic Plasma Profiling: Leveraging the Plasma Proteome in the Era of Minimally-Invasive Approaches	Etter Manina, Neurosurgery
12:00 - 13:00	Lunch Break	
	Session 2, Chair: Prof. Jehuda Soleman	
13:00 - 13:12	VEGF chemically modified mRNA-loaded matrix for vascularized bone engineering	Vescovi Alessandra, PRAH/Vascular
13:12 - 13:24	Identification of novel therapeutic vulnerabilities in bladder cancer using patient-derived organoids	Tschan Viviane, Urology
13:24 - 13:36	Data-driven patient clusters of type 2 diabetes may help to identify patients at risk and predict metabolic surgery outcomes: an international multicenter retrospective cohort study	Poljo Adisa, Visceral
13:36 - 13:48	Development of CAR Macrophages as a Novel Treatment Against Glioblastoma	Schenker Timo, Neurosurgery
	Rapid fire presentations 2	
13:48 - 13:51	Transnasal adenomectomy with medial cavernous sinus wall resection for hormone-secreting pituitary adenomas: safety and short-term outcome	Roethisberger Michel Neurosurgery
13:51 - 13:54	The Illusion of Diagnostic Accuracy: Clinical Examination Fails to Predict Long Head Biceps Pathology in Patients with Rotator Cuff Tears	Garthe Tilman, Ortho-Trauma
13:54 - 13:57	AutoFFS: Adversarial Free-Form Deformations for Facial Feminization Surgery Planning	Friedrich Paul, PRAH/Maxillofacial
13:57 - 14:00	Molecular Profiling of Human Biceps Tendons: Insights into Cellular Diversity and Pathogenesis of Tendinopathy	Bühler Dominik, Ortho-Trauma
14:00 - 14:03	Fast Conditional Wavelet Diffusion Model for Automatic Implant Generation	Thürig Pascal, Oral Maxillofacial
14:03 - 14:06	Learning from the Unseen: Synthetic Data for Scoliosis AI Segmentation	Buchakchiyskiy Volodimir, Pediatric Spine
14:06 - 14:09	Microtissue-based versus single-cell delivery of human nasal chondrocytes on Melt Electrowritten scaffolds for osteochondral engineering	Basoli Valentina, Oral Maxillofacial
14:09 - 14:12	Nasal chondrocytes as potential cell source to treat degenerative disc disease: Plasticity and response of nasal chondrocyte spheroids in human intervertebral disc explants across degeneration grades	Mehrkens Arne, Spine

14:12 - 14:36 Recipients Dirk Schäfer Wissenschaftspreis:

Dr. Romain Schaller, Plastic, Reconstructive, Aesthetic, Hand Surgery
Dr. Benjamin Wiesler, Visceral Surgery

Chairs: Prof. R. Guzman, Prof. Dirk J. Schaefer, Prof. H. Seifert

14:36 - 14:50 Closing remarks

Prof. Dr. D. J. Schaefer

14:50 - 15:20 Coffee and Networking