

Department of Biomedical Engineering





Dear Guests and Colleagues

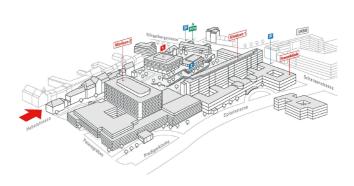
In our daily struggle for better solutions to clinical problems, we cannot get anywhere on our own. We need to encounter other people's perspectives, their problems and ideas, their routines and habits. In such encounters, we lose a little control, in a good way, over our sometimes too well-ordered world. An unfamiliar thought, an unexpected move, sometimes just a word or a never-before-heard comparison can suddenly set something truly new in motion.

(Innovation Through Collaboration), the motto of the 8th DBE Research Day, expresses this in the word "through". Collaboration itself is innovative, if only because we often have to find a new language to make ourselves understood to our collaborative partner, because it forces us to leave our well-trodden paths and let new things enter our mindset.

But innovation does not just mean having a good idea, it also means bringing it to fruition. Again, virtually no one can do this alone. The initial idea must pass through several hands like a baton, transforming itself again and again in the process, in order to finally arrive as a genuine innovation, a truly collaborative creation.

We want to invite you to be part of this adventure and come on 30 August to the Zentrum für Lehre und Forschung.

Prof. Philippe Cattin Department Head



- 1 Zentrum für Lehre und Forschung (ZLF), Hebelstrasse 20
- 2 Ausgang Hebelstrasse, Universitätsspital Basel und ZLF
- P City Parking Einfahrt Schanzenstrasse oder Einfahrt Klingelbergstrasse
- A Bus 31, 33, 34, 36, 38 Universitätsspital

Agenda 30 August 2022

8.45	Prof. Philippe Cattin & Prof. Dirk Schäfer	Welcome to the DBE Research Day
8.55	Session 1: New Groups	Chair: Prof. Alexander Navarini
8.55	Short film: https://doi.org/10.2016/j.jps/	
9.00	Dr. Claudia Lenz	Forensic perspectives on medical imaging
9.15	PD Dr. Cordula Netzer	RoLSSroice – More than a car Are spinal loads the key to understanding spinal stenosis?
9.30	Dr. Francesco Santini	Translation through collaboration: muscle MRI from the proton to the patient
9.45	PD Dr. Christof Stieger	(H)ear motions
10.00	Poster Session & Coffee Break	
11.20	Session 2: Tandems	Chair: Prof. Carlalberta Verna
11.20	Short film: (Myelin Water Imaging) by Jessica Schäper	
11.25	Yukiko Tomooka & Prof. Niklaus Friederich	Robotic surgery – Assist human hands
11.40	Rosa Vissher & Prof. Heide Elke Viehweger	Stop tip-toeing around toe-walking – towards assisting clinical decision making for pediatric movement disorders
11.55	Kim Arnold & Dr. Alejandro Gomez Mejia	Take a deep breath and watch out
12.10	Michaela Maintz & PD Dr. Philipp Honigmann	Impact of patient specific treatment in hand and wrist surgery
12.30	Poster Session & Lunch Break	
14.00	Session 3: Evaluated Group	Chair: Prof. Ludwig Kappos
14.00	Short film: (INSIDER-paths) by Dr. Riccardo Galbusera	
14.05	Prof. Cristina Granziera	From postmortem to in vivo advanced MRI in multiple sclerosis – an exciting journey
14.20	Dr. Alessandro Cagol	Mechanisms of disease progression in multiple sclerosis
14.35	Po-Jui Lu	GAMER MRI: a deep dive in multiple sclerosis pathology and clinical disability
14.50	Coffee Break	
15.20	Session 4: DBE Highlights	Chair: Prof. Eva Scheurer
15.20	Short film: (Of robots building	robots – Assembling MIRACLEs) by Cédric Duverney
15.25	Dr. Ferda Canbaz	Miniaturized smart laser osteotomy: from free space to fibers
15.40	Dr. Adrien Moya	Tissue engineered grafts for phalanx construction in children suffering from symbrachydactyly
15.55	Dr. Griffin Rodgers	Hard X-ray microtomography for virtual histology of the brain with cellular resolution
	D (N : . O 0	AMT Center farewell
16.10	Prof. Najat Salameh & Prof. Mathieu Sarracanie	
16.10 16.25		Chair: Prof. Pablo Sinues
	Prof. Mathieu Sarracanie	Chair: Prof. Pablo Sinues Closing Remarks

Contact

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