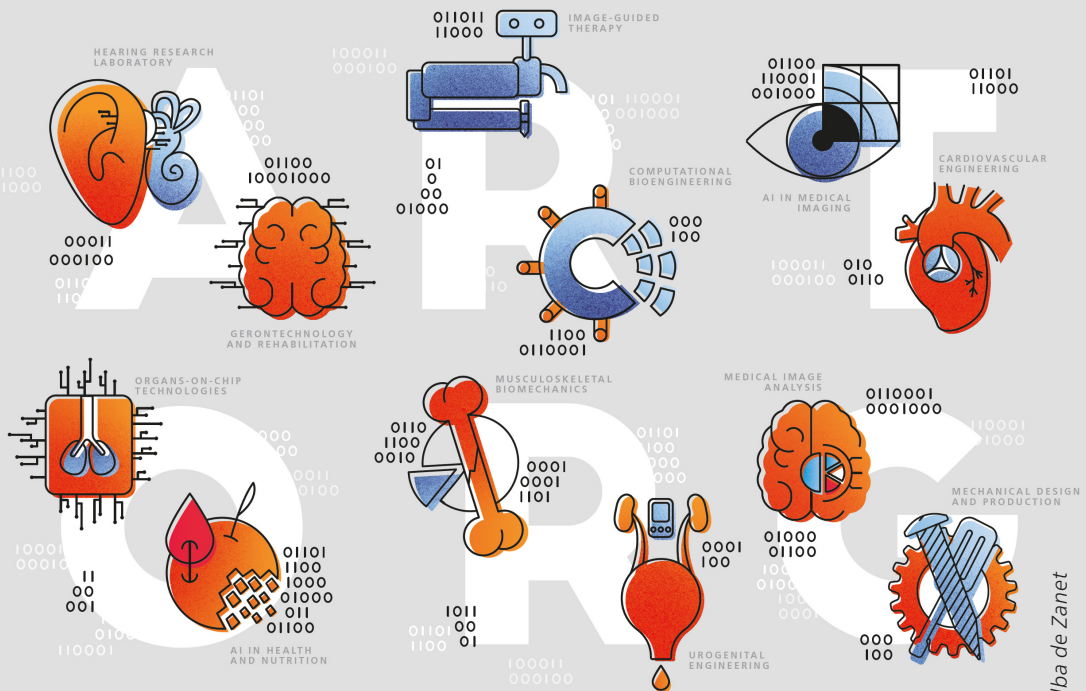


# 2023 ARTORG Center Symposium

## 15 Years of Biomedical Engineering Research

Tuesday, 17 January 2023, 13.00-18.00h

Auditorium Langhans, Murtenstrasse 31



Alba de Zanet

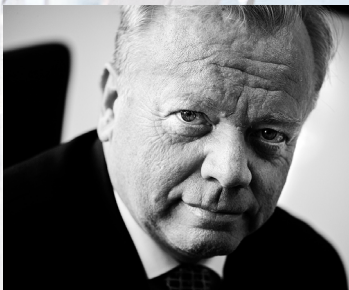
## Keynote Speakers

**Nassir Navab** is a full professor and director of the Laboratories for Computer Aided Medical Procedures at Technical University of Munich (TUM) and an adjunct Professor at Johns Hopkins University with secondary faculty appointments at TUM's Medical School. He is also the director of biannual Medical Augmented Reality school series at Balgrist Hospital in Zurich. His research fields include robotic imaging, augmented reality, computer-assisted interventions, computer vision and machine learning.

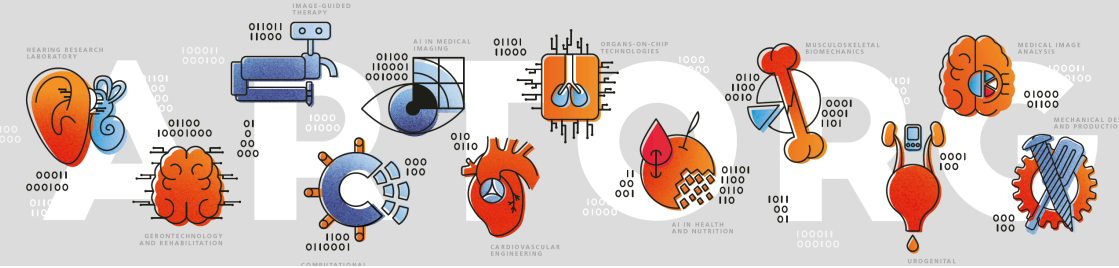


**Elena De Momi** is associate professor in the Electronic Information and Bioengineering Department of Politecnico di Milano. She is co-founder of the Neuroengineering and Medical Robotics Laboratory. She is responsible for the lab courses Medical Robotics and Clinical Technology Assessment of the MSc degree at Politecnico di Milano and serves in the board of the PhD course. Her academic interests include computer vision and image-processing, artificial intelligence, augmented reality and simulators, teleoperation, haptics, medical robotics, human robot interaction.

**Sabeth Verpoorte** is a professor of microfluidics and miniaturized «lab-on-a-chip» systems in the Faculty of Science and Engineering at the University of Groningen, Netherlands. She has more than 30 years of research experience in the field since her postdoctoral research in the pioneering lab-on-a-chip group headed by Prof. A. Manz at Ciba Ltd., Basel, Switzerland. Her interests include organ-on-a-chip applications, microfluidic devices for miniaturized analytical instrumentation. Sabeth was recently awarded an Honorary Doctorate by Tampere University for her research.



**Pascal Verdonck** is full professor of medical technology at Ghent University and visiting professor at the KULeuven and Vlerick Business School. He is chairman at Artevelde University College and AZ Maria Middelaers Hospital and board member of the Belgian and European Associations of Hospital Directors. He is member of the Royal Flemish Academy for Sciences and Arts, and on the advisory board of several MedTech “start & scale-ups”. His research spans experimental and numerical modeling, haemodynamics, artificial organs, and computational biodesign.



# Symposium Program

13.00h	Opening	Prof. Dr. Raphael Sznitman, Director ARTORG
13.00h	Welcome words	Prof. Dr. Christian Leumann, Rector UniBE & Prof. Dr. Claudio Bassetti, Dean Medical Faculty
13.10h	15 Years ARTORG Center	Prof. Dr. Raphael Sznitman
<b><i>Session: Artificial Intelligence in Health</i></b>		
13.15h	Keynote	Prof. Dr. Nassir Navab, Technical University of Munich / ARTORG SAB Member
13.45h	ARTORG groups	Prof. Dr. Mauricio Reyes, Prof. Dr. Stavroula Mougiakakou, Prof. Dr. Raphael Sznitman
14.15h	Coffee Break	
<b><i>Session: Image Guidance, Sensing and Modeling</i></b>		
14.40h	Keynote	Prof. Dr. Elena De Momi, Politecnico di Milano / ARTORG SAB Member
15.10h	ARTORG groups	Prof. Dr. Tobias Nef, PD Dr. Wilhelm Wimmer, Prof. Dr. Stefan Weber, Prof. Dr. Olivier Guenat
15.50h	Keynote	Prof. Dr. Sabeth Verpoorte, University of Groningen / ARTORG SAB Member
16.20h	Coffee Break	
<b><i>Session: Modeling and Biomechanics</i></b>		
16.50h	ARTORG groups	Prof. Dr. Philippe Zysset, Prof. Dr. Philippe Büchler, Prof. Dr. Dominik Obrist, PD Dr. Francesco Clavica
17.30h	Keynote	Prof. Dr. Pascal Verdonck, Ghent University / ARTORG SAB Member
18.00h	Closing & Apéro	Prof. Dr. Raphael Sznitman

Registration:

[www.artorg.unibe.ch/symposium2023](http://www.artorg.unibe.ch/symposium2023)

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