



# OTdigital 2025

Congress for Digitalisation in  
Orthopaedics & Traumatology

07. - 08. March 2025

Berlin, Germany

[www.otdigital.eu](http://www.otdigital.eu)

# PROGRAMM OVERVIEW

**Dear Ladies and Gentlemen,**

We invite you to the 3th congress „OTdigital - Congress for Digitalisation in Orthopaedics & Traumatology“ in Berlin (Germany) on 7th and 8th March 2025.

OTdigital is a platform for the exchange on current and future core topics of digitalisation in orthopaedics and traumatology and meant to build a scientific community to improve the use of digitalisation in our daily work. Internationally renowned experts will present relevant aspects of current developments, trends and controversies in this field, gathered around the topics:

- The patient's digital journey
- Training the next generation
- Digital solutions ready for OR
- Digital outcome and biomarkers
- Large language models

with interactive focus sessions keynotes, panel discussions, breakout sessions and industry workshops and industry presentations.

Do you have ideas on how digitalisation can shape the future of orthopedics and traumatology and would like to share the results of your scientific work? Then join our poster submission on research projects in the field of „Digitalisation in Orthopaedics and Traumatology“!

Are you about to change the digital market of orthopaedics and traumatology with your start-up? Then apply for participation in our start-up pitch and get awarded as the most innovative O&T start-up in 2025!

All information about the congress can be found on our website:  
<https://www.otdigital.eu>.

Looking forward to welcoming you in Berlin!  
Yours





















**David A. Back**



**Koroush Kabir**

# PROGRAMM OVERVIEW

	Friday, 7. March 2025
11:00 am	<b>Registration &amp; Welcome Coffee</b>
12:00 pm	<b>Welcome &amp; introduction</b> <i>David Back &amp; Koroush Kabir</i>
12:30 pm	<b>Keynote I</b> AI for Healthcare – Better data, better insight, better outcome  <i>Yin Cai</i>
1:30 pm	<b>SESSION 1 - The patient's digital journey in O&amp;T</b> CHAIRS:  <i>Inger Mechlenburg</i> ,  <i>Wojciech Glinkowski</i> From diagnostics via clinics to rehab - today's digital options for the patient's pathway  <i>Wojciech Glinkowski</i> Towards a Comprehensive Digital Wearable Tracking System of the Patient Recovery Journey after Extremity Trauma  <i>Benedikt Braun</i> Blood flow restriction Exercise after Achilles tendon rupture treated Non-surgically (BEAN trial) using tele-rehabilitation  <i>Andreas Bentzen</i> Building Digital Rehabilitation Platforms: Experiences from Developing and Deploying Web Platforms in Trauma Trials  <i>David Keene</i> Multinational Electronic Data Collection in Distal Radius Acute Fracture Trial: Cast vs. Splint  <i>Inger Mechlenburg</i>  Discussion
2:30 pm	<b>Break</b>
3:00 pm	<b>Industry presentations</b>
4:00 pm	<b>Break</b>
4:15 pm	<b>SESSION 2 - Training the next generation</b> CHAIRS:  <i>Li Felländer-Tsai</i> ,  <i>Paolo Parchi</i> Digital tools in surgical training of today and tomorrow – the OR-X experience  <i>Philipp Fürnstahl</i> Core findings of an international Delphi consensus on Digital Health Competencies  <i>Tatiana Erlikh Fox</i> Medical students' digital pathway – digital impacts from an O&T perspective  <i>Li Felländer-Tsai</i> Surgical Education in TKA with the aid of a robotic platform pros and cons  <i>Stefano M.P. Rossi</i>  Discussion
5:15 pm	<b>Panel discussion</b> From medical school to specialization - do we need a digital training pathway in O&T?  <i>Yin Cai</i> ,  <i>Paolo Parchi</i> ,  <i>Tatiana Erlikh Fox</i> ,  <i>Lukas Brachmann</i> Moderator: <i>Koroush Kabir</i>
6:15 pm	<b>Summary and conclusion</b> <i>David Back &amp; Koroush Kabir</i>
	<b>Get together dinner</b>

# PROGRAMM OVERVIEW

	Saturday, 8. March 2025
9:00 am	<b>Start-up Pitch</b>  <i>Dominik Pförringer</i>
9:30 am	<b>SESSION 3 - Which digital solutions are ready for use in the OR?</b> CHAIRS:  <i>Cristiano Paggetti</i> ,  <i>Arnaud Clavé</i> Personalized surgery and massive patient care management: an incompatibility made possible with CAOS  <i>Guillaume Dardenne</i> Is there enough evidence for me to invest into a robot for my surgeries?  <i>Johnatan Everaert</i> From Scalpel to Digital Surgery: Redefining Precision Surgery with AI and Real-Life Motion Analytic  <i>Paul Lee</i> TKA and Robotics. Where are we now? Where are we going?  <i>Arnaud Clavé</i> Discussion
10:30 am	<b>Break</b>
11:00 am	<b>Panel discussion</b> The Impact of AI on O&T in the Next Decade  <i>Pedro Diniz</i> ,  <i>Georg Osterhoff</i> ,  <i>Walter van der Weegen</i> ,  <i>Josua Ziegler</i> Moderator: <i>David Back</i>
12:00 am	<b>SESSION 4 - Digital outcomes &amp; biomarkers - tools, possibilities, evidence, limits</b> CHAIRS:  <i>Bernd Grimm</i> ,  <i>Benedikt Braun</i> Personalized TKA based on functional phenotyping  <i>Allan Maas</i> Beyond PROMS: Less questions, better insights, higher compliance: Ecological Momentary Computerised Adaptive Testing (EMCAT)  <i>Conrad Harrison</i> Consumer Cameras to democratize Motion Analysis  <i>Frederic Garcia</i> Objectifying Shoulder Outcomes (using real-life activity monitoring with accelerometers)  <i>Peter Varga</i> Discussion
1:00 pm	<b>Break</b>
2:00 pm	<b>Poster session</b> Moderators: <i>David Back &amp; Koroush Kabir</i>
2:45 pm	<b>SESSION 5 - Large language Models in O&amp;T - Potentials and Hazards</b> CHAIRS:  <i>Jacobien Oosterhoff</i> ,  <i>Georg Osterhoff</i> How to evaluate the performance of LLMs in orthopaedic research?  <i>Felix Conrad Öttl</i> Can ChatGPT help me with my musculoskeletal tumor diagnosis?  <i>Dimosthenis Andreou</i> AI will see you now - an interactive avatar in the Orthopaedic practice?  <i>Walter van der Weegen</i> AI meets pre-injury performance: Predicting match participation in elite soccer players - a winning combination?  <i>Pedro Diniz</i> Discussion
3:45 pm	<b>Venture pitch and digital poster presentation - award ceremony</b> HOSTS: <i>Dominik Pförringer, David Back &amp; Koroush Kabir</i>
4:00 pm	<b>Closure and summary</b> <i>David Back &amp; Koroush Kabir</i>

## CHAIRS AND SPEAKERS



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**Brachmann, Lukas**

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**Braun, Benedikt, M.D., MBA, Prof.**

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**Cai, Yin, Dr.**

Development Manager at Amazon Web Services (AWS), Healthcare  
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**Car, Josip, M.D., M.Sc., Ph.D., Prof.**

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**Dardenne, Guillaume, Ph.D.**

Research scientist at Inserm (LaTIM)



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and iBB – Institute for Bioengineering and Biosciences, Instituto  
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**Erlikh Fox, Tatiana, M.D.**

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**Garcia, Frederic, Ph.D.**

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**Lee, Paul, M.D., Prof.**

Doctor, Scientist and AI expert, Founder of MAI Motion,  
Founder of Regen PhD, MSK Doctors



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**Pförringer, Dominik, M.D., MBA, Prof.**

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### **Öttl, Felix, M.D.**

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### **Paggetti, Cristiano, Ph.D., Prof.**

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### **Parchi, Paolo, M.D., Ph.D., Prof.**

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### **Van der Weegen, Walter, Ph.D.**

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### **Varga, Peter, Ph.D., PD.**

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### **Ziegler, Josua**

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### **Maas, Allan**

Head of R&D Innovative Smart Applications and Simulation Aesculap AG – part of the B. Braun Group Tuttlingen

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