



## **5<sup>th</sup> Congress for Digitalisation in Orthopaedics and Traumatology**

**9<sup>th</sup> and 10<sup>th</sup> April, 2027  
Berlin, Germany**

# **PRELIMINARY PROGRAM**

**[www.OTdigital.eu](http://www.OTdigital.eu)**



## WELCOME TO THE 5<sup>th</sup> OTDIGITAL CONGRESS

### Shaping the digital future of Orthopaedics and Traumatology

Digital transformation continues to change the way we understand and practice orthopaedics and traumatology. Now in its 5th edition, OTdigital once again brings together clinicians, researchers, industry partners, and start-up entrepreneurs to share scientific evidence, discuss emerging technologies, and explore their integration into clinical practice.

Our congress serves as a platform for exchange and bringing together different interdisciplinary and international perspectives. It provides a forum to discuss current developments, and to exchange experiences from research and clinical practice.

Through keynotes, scientific focus sessions, industry presentations, and personal discussions, we aim to connect scientific progress with clinical experience and technological innovation.

Additionally, our Science Award and the Start-Up Pitch Award give researchers and entrepreneurs a stage to present their work and ideas to the OTdigital community.

We warmly invite you to join us in Berlin and contribute to shape the digital future of orthopaedics and traumatology.

### Looking forward to welcoming you



**David Back**

Charité - Universitätsmedizin Berlin  
Germany



**Georg Osterhoff**

BG Klinikum Unfallkrankenhaus Berlin,  
Charité - Universitätsmedizin Berlin  
Germany



## GENERAL INFORMATION

### Meeting Dates:

9<sup>th</sup> and 10<sup>th</sup> April, 2027

### Location:

#### Campus Address:

Charité - Universitätsmedizin Berlin  
Campus Charité Mitte (CCM)  
Charitéplatz 1, 10117 Berlin, Germany

#### Specific Building Address:

Charité Crossover (CCO) Virchowweg 6

## PARTICIPATION FEES

|                                                                 | <b>EARLY BIRD</b><br>Registration until<br>December 31 <sup>st</sup> , 2026 | <b>REGULAR<br/>REGISTRATION</b><br>Registration January 1 <sup>st</sup> , 2027<br>to February 28 <sup>th</sup> , 2027 | <b>LATE / ON-SITE<br/>REGISTRATION</b><br>From March 1 <sup>st</sup> , 2027<br>and On Site | <b>ONLINE<br/>PARTICIPATION</b> |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|
| Physician / Senior Scientist /<br>Industry Representative       | €100                                                                        | €150                                                                                                                  | €200                                                                                       | €50                             |
| Resident / Junior Scientist                                     | €50                                                                         | €75                                                                                                                   | €100                                                                                       | €25                             |
| Students / Nursing Personnel /<br>Other Healthcare Professional | €5                                                                          | €15                                                                                                                   | €25                                                                                        | €5                              |

All fees include Lunch and Coffee Breaks, in the morning and in the afternoon.

**Please note that the registration fees are not refundable**

For any general information or request, write to [info@otdigital.eu](mailto:info@otdigital.eu)



## START-UP PITCH 2027

Your digital venture revolves around orthopaedics and trauma?  
Send us a short pitch-deck (max. 7 slides) at [pitch@otdigital.eu](mailto:pitch@otdigital.eu)  
The best 6 ideas will be invited to present live in Berlin.

Submission deadline: December 31, 2026

To learn more: <https://otdigital.eu/startup-pitch/>

## SCIENTIFIC AWARD 2027

We invite clinicians, researchers and MD/PhD students to submit abstracts about their research on digitalisation in orthopaedics and traumatology as free presentations. During the science award session, the best work will be chosen by an independent jury of specialists in the field, and the winner will receive the Science Award for the most innovative research in digitalisation in orthopaedics and traumatology.

Submission deadline: December 31, 2026

To learn more and apply: <https://otdigital.eu/abstract/>

## Registration

For more information about the congress and the registration,  
please visit [www.OTdigital.eu/registration](http://www.OTdigital.eu/registration).





## Preliminary program

### Friday, 9<sup>th</sup> April 2027

11:00 Registration

12:00 Welcome and introduction  
David Back  & Georg Osterhoff 

12:10 Digital updates from patronage societies

12:30 Keynote: Humanoid Robots in Science Fiction and Clinical Reality

13:00 SESSION 1 - AI & Clinical Decision Support  
Session Chairs: Walter Van Der Weegen  & Felix Oettl 

14:00 Break

14:30 Industry presentations  
Sponsors

15:30 SESSION 2 - Smart Implants & Connected Devices  
Session Chairs: Bernd Grimm  & Bergita Ganse 

16:30 Break

17:00 SESSION 3 - Digital Twins in O&T  
Session Chairs: Wojciech Glinkowski  & Arnaud Clavé 

18:00 Panel Discussion: From hype to healthcare - What will change orthopaedic practice till 2030?

19:00 Summary and conclusion

Evening Get together

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9<sup>th</sup> and 10<sup>th</sup> April, 2027



## Saturday, 10<sup>th</sup> April 2027

09:00 SESSION 4 - Rehabilitation & Outcomes  
Session Chairs: Inger Mechlenburg  & Benedikt Braun 

10:00 Start-up Pitch

10:30 Break

11:00 SESSION 5- Digital O&T - Free Presentations  
Session Chairs: Li Felländer-Tsai  & Koroush Kabir 

12:00 Keynote: Humanoid Robots in Science Fiction and Clinical Reality

12:30 Lunch break

13:30 Panel Discussion: Beyond Innovation - Clinical Implementation: How Do We Make Digital Health Work in Orthopaedics & Trauma?

14:30 SESSION 6 - Surgical Innovation & Education  
Session Chairs: Cristiano Paggetti  & Philipp Färnstahl 

15:30 Award ceremony: Rapid science presentation award and pitch award 

15:40 Closure, summary  
David Back  & Georg Osterhoff 

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9<sup>th</sup> and 10<sup>th</sup> April, 2027



## FACULTY

**David Alexander Back, M.D., MBA, Prof.** 

*Center for Musculoskeletal Surgery, Charité -  
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*Department of Orthopaedics and Traumatology,  
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Laboratoire de Traitement de l'Information Médicale  
(LaTIM), Brest*

**Philipp Färnstahl, M.D, Ph.D.** 

*Research in Orthopedic Computer Science, Balgrist  
University Hospital, University of Zurich, Zurich*

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*Department for Traumatology, Orthopaedics and Sport  
Medicine, Helios University Hospital Wuppertal,  
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**Li Felländer-Tsai, M.D., Ph.D., Prof.** 

*Center for Advanced Medical Simulation and Training  
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Medical University of Warsaw, Warsaw*

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*Human Motion, Orthopaedics, Sports Medicine, Digital  
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## TEAM ALL OF US



**Prof. Dr. med. David A. Back**  
Congress Chair  
Charité - Universitätsmedizin Berlin  
Germany

**Prof. Dr. med. Georg Osterhoff**  
Congress Chair  
BG Klinikum Unfallkrankenhaus Berlin,  
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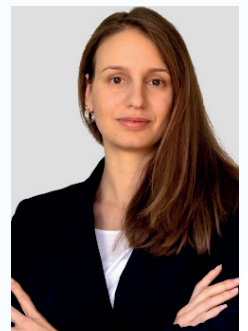


## CONGRESS MANAGEMENT



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