



A Philosophical Garden for Digital Biomarkers

26 March 2024

08:40-16:00 CET | IN-PERSON

Venue:

TranslaTUM - Central Institute for Translational Cancer Research
Einsteinstraße 25 (Building 522)
81675 Munich
Germany

Register until March 15th, 2024

Scan QR-Code or go to:

<https://goo.gl/forms/koSMGNtHe2GuBgRI2>

Contact: Prof. Dr. Martin Daumer
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Preliminary PROGRAM

08:15 Registration

08:40 Welcome to the philosophical garden for digital biomarkers

Martin Daumer, SLC-The Human Motion Institute, Trium Analysis Online, Technical University of Munich (TUM), GER

08:45 Digital biomarkers and exercise on earth

Ylva Hellsten, University of Copenhagen, Integrative Physiology, Department of Nutrition, Exercise and Sport, DK

09:00 Digital biomarker and exercise in space

Jörn Rittweger, German Aerospace Center (DLR), Institute of Aerospace Medicine, Cologne, GER

09:15 Why do we need physiological CTG?

Sophia Andres, University of Ulm, Department of Obstetrics and Gynecology, GER

09:30 Benefit vs. Risks of electronic fetal monitoring: thoughts from a clinician's perspective

Teresa Starrach, Uwe Hasbargen, LMU University Hospital, Perinatal Center Großhadern, Department of Obstetrics and Gynecology, GER

9:45 Progress in CTG telemonitoring in Denmark

N.N., Copenhagen University Hospital, Rigshospitalet, DK

10:00 Benefit Risk Profile in line with the EU Legislation

Andrew Gibson, AKRA TEAM GmbH, GER

10:15 Discussion, Coffee break, Time buffer

10:45 Digital Biomarkers in neuromuscular diseases

Benedict Schoser, Friedrich-Baur-Institute, Department of Neurology LMU University Hospital, GER

11:00 Real world walking as digital biomarker in Duchenne – consequences of positive EMA decision

Laurent Servais, University of Oxford, MDUK Oxford, Neuromuscular Center, Department of Paediatrics, UK

Preliminary PROGRAM

11:15 Defining muscular health as a basis for disease agnostic digital biomarkers

Jean-Yves Hogrel, Institute of Myology, Neuromuscular Physiology and Evaluation Lab, FR

11:30 Long-term accelerometry in PPMS for regulatory decision making – OPRIMS

Maëva Cotinat, Jan-Patrick Stellmann, Aix-Marseille Université, Centre de Résonance Magnétique Biologique et Médicale (CRMBM), FR

Christoph Heesen, University Medical Center Hamburg-Eppendorf, Institute of Neuroimmunology and Multiple Sclerosis (INIMS), GER

11:45 Regulation of wearables, sensors, apps, digital therapeutics, digiceuticals, digital biomarkers and integrated systems – landscapes, barriers and strategies

Stephen Gilbert, TUD Dresden University of Technology, Else Kröner Fresenius Center for Digital Health, Department Medical Device Regulatory Science, GER

12:00 Discussion, Lunch break, Time buffer

13:15 Setting the scene: Innovation, regulation & academia

13:30 Panel Discussion “Towards an open collaborative platform for digital biomarkers”:

- Access to algorithm and raw data
- Disease agnostic
- Device agnostic
- “BIG CTG DATA”
- Initial focus on human motion monitoring:
 - Real world walking speed?
 - Duchenne and Multiple sclerosis?
 - Hip / ankle?
 - 6-minute walk test (6MWT) as intermediate step?

14:30 Funding options and next steps, Time buffer

15:00 Student Presentation of the [TUM lecture “Clinical Applications of Computational Medicine” \(CACOM\)](#)

SURVEYS

We value your input to the following two questionnaires which are directly related to focus area of the Winter Symposium. We plan to present the results at the event:

Collection of CTG data for planning continuous, evidence-based improvement of digital delivery room monitoring and documentation

<https://de.surveymonkey.com/r/M6J37VT>

Regulatory acceptance of digital biomarker survey: perception of the field

<https://docs.google.com/forms/d/e/1FAIpQLSenMs9CqpPeeS21PQo5aeD06DbK6->

[XWemBCD3hzrpzNQn8aMg/viewform?usp=sharing](https://docs.google.com/forms/d/e/1FAIpQLSenMs9CqpPeeS21PQo5aeD06DbK6-XWemBCD3hzrpzNQn8aMg/viewform?usp=sharing)

The organizers reserve the right for rearrangements

REGISTRATION

REGISTRATION FEE

The symposium fee* (VAT included) is as follow:

Industry	400€
Academic / Research	250€
PhD student	100€
Student	50€
TUM CACOM student	free
Interested patient and press	free
Speaker	free

*Symposium fee includes drinks & lunch

Pay through your credit card or PayPal.

Pay Now



SLCMSR e.V. - The Human Motion Institute is a non-profit association under § 52 Abs. 2 of German Law and a tax-exempt non-profit association under § 5 Abs. 1 (corporate income tax regulation).

If you require assistance regarding your payment, please contact our support team at sambo@slcmsr.org

For online registration scan QR Code or go to:

<https://goo.gl/forms/koSMGNtHe2GuBqRI2>



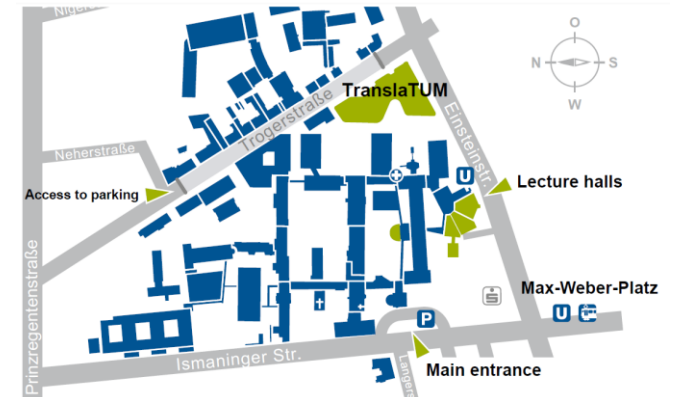
General Data Protection Regulation

The applicant agrees that SLCMSR electronically saves and processes personal data necessary for the registration process and upcoming symposia (§28 GDPR)

REGISTRATION CLOSING DATE
FRIDAY MARCH 15, 2024

GENERAL INFORMATION

Map



SCIENTIFIC COMMITTEE:

Martin Daumer, SLC-Human Motion Institute, Trium Analysis GmbH, Technical University of Munich (TUM). GER

Ylva Hellsten, University of Copenhagen, Integrative Physiology, Dept. of Nutrition, Exercise and Sport, DK

Kazem Rahimi, University of Oxford, Cardiovascular Medicine and Population Health, Clinical Trials, Epidemiology, Health Informatics, UK

Jörn Rittweger, German Aerospace Center (DLR), Head of the Division of Muscle and Bone Metabolism, GER

PARTNERS



PRESS



We will request certification of medical education points (CME-credits) from the Bavarian Medical Association (BLÄK)

+++ Please note, that the event will be recorded and we will make the recording available to registered participants afterwards in order to receive CMEs +++