10TH WINTER SYMPOSIUM OF "THE HUMAN MOTION PROJECT"

Electronic Fetal Monitoring & Human Motion Monitoring in the Light of Regulatory Science

14 March 2023
09:00-17:00 CET | IN-PERSON

Venue:

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

BLÄK medical education credits **7**

Register until March 3rd, 2023
Scan QR-Code or go to:
https://goo.gl/forms/koSMGNtHe2GuBgRl2

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TUM MRI LMU DLR HUMAN MOTION INSTITUTE trium UNIVERSITY OF COPENHAGEN SLCMSR

FINAL PROGRAM

08:45 Registration

09:00 Welcome – Extreme ends of regulatory science
Martin Daumer, SLC-The Human Motion Institute, Trium Analysis Online, Technical University of Munich (TUM), GER

09:15 News from the Danish perinatal registry and home monitoring
Olav Bennike Bjørn Petersen, Rigshospitalet, Department of Obstetrics and Gynaecology, Copenhagen, DK

09:30 CTG monitoring & home monitoring in the Netherlands
Petra Bakker, Amsterdam UMC, Department of Obstetrics and Gynecology, NL

09:45 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

10:00 Diving through swirls: Experience with establishing electronic data systems for maternal and child health in Sub-Saharan African countries
Claudia Hanson, Karolinska Institutet, Department of Global Public Health, SE I London School of Hygiene and Tropical Medicine (LSHTM), Department of Disease Control, UK

10:15 Discussion, Coffee break, Time buffer

11:00 Innovative trials design to improve blood pressure management in the elderly
Kazem Rahimi, University of Oxford, Cardiovascular Medicine and Population Health, Clinical Trials, Epidemiology, Health Informatics, UK

11:15 actibelt innovative trial design for TB trial in Zimbabwe
Katharina Kranzer, London School of Hygiene & Tropical Medicine (LSHTM), Department Infectious Disease Epidemiology, UK

FINAL PROGRAM

11:30 Reproducible Machine Learning for Large Scale Physical Activity Epidemiology: Experiences from the UK Biobank
Scott Small, University of Oxford, Nuffield Department of Population Health, Big Data Institute, UK

11:45 Regulatory approval of digital outcome: Experience in Duchenne, and first step in MS
Laurent Servais, University of Oxford, MDUK Oxford, Neuromuscular Center, Department of Paediatrics, UK

12:15 Discussion, Lunch break, Time buffer

13:15 The time is now! – Don't delay being physically active
Ylva Hellsten, University of Copenhagen, Integrative Physiology, Department of Nutrition, Exercise and Sport, DK

13:30 Consensus development of digital measures of activity and movement for use in clinical trials
Scottie Kern, Critical Path Institute, ePRO Consortium, UK

13:45 Gamification and serious games in healthcare
Oscar Freyer, Dresden University of Technology, Else Kröner Fresenius Center for Digital Health, Department Medical Device Regulatory Science, GER

14:00 Integrated OR-systems for laparoscopic interventions
Lars Wagner, Leon Dominik Mayer, Technical University of Munich (TUM), Research Group Minimally invasive Interdisciplinary Therapeutical Interventions (MITI) , GER
N.N., University Hospital rechts der Isar (MRI) of the Technical University Munich (TUM), department of surgery, GER

14:15 Discussion, Coffee break, Time buffer

15:00 Student Presentations – Focus TUM lecture "Clinical Applications of Computational Medicine" (CACOM)
Co-moderated by Oliver Alexy, TUM Entrepreneurship Research Institute, TUM School of Management, Technical University of Munich, GER

STUDENT PRESENTATION

Integration of Bluetooth Low Energy vital sensors into CTG Mobile Fleet
Dominik Maźniak, Technical University of Munich (TUM), SLC-The Human Motion Institute, Internship Student, GER

Usability aspects of wearable CTG devices for home monitoring
Miriam von Westphalen, Yujia Gu, Zebin Jiang, Miles Laurens Kalff

A Wearable pelvic anterior tilt detection tool
Yawen Cheng, Jimin Cao

An Open CV-based Method of Scoliosis Screening Using Back Images
Shengqi Zhou, Zhuoya Wang, Johanna Marie Woelke, Yujie Huang, Wei Li, Juan Andrés Amaro Esparza

ML methods and tools for fatigue assessment
Vadims Juris, Artem Gazizov

Is there something wrong with the European drug supply chain?
Lisa Roßgoderer, Michael Lemanov, Ivan Nikolovski, Linda Hu

Triage Training Software: Preparing for Future Pandemics
Victor Miro Kolenic, Carolina Petrič, Dennis Dennis

Can randomness improve ICU Triage decision-making? An IT platform for performing and simulating ICU Triage under different criteria
Fatma Ben Yahia, Nicolas Alvarez, Konstantinos Larintzakis, Diego Marti Monsó

A web-based survey to inform feature selection in pre/post-pandemic face masks
Yinbo Zhou, Xin Gu, Moez Ben Ayed, Hongyu Zhu, Ou Tang, Xingshuo Wen

Thoughts about Apps for prevention
Laura Bottone, Sara Alimonti

User Interface Innovation and Support for "Invisible" Dental Braces
Bo Liu, Wen Bing, Peng Xie, Xufei Zhang, Xiaoming Zhou, Chengwei Liao

Ca. 16:00   Panel Discussion, Closing Remark

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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.

You can also scan the QR Code.

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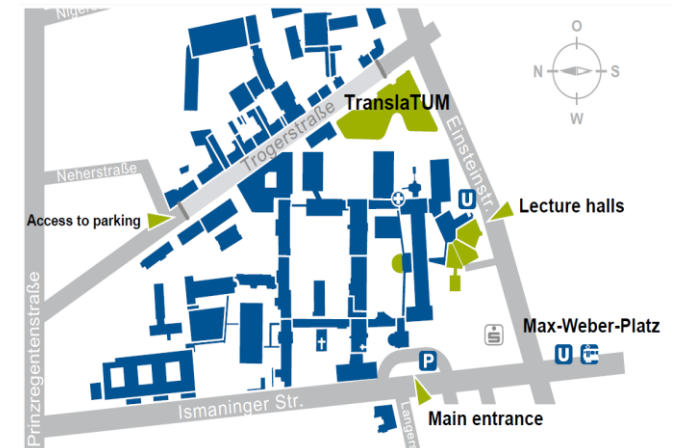https://goo.gl/forms/koSMGNtHe2GuBgRI2

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)

GENERAL INFORMATION

Map

SCIENTIFIC COMMITTEE:

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

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

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

PARTNERS

PRESS

This Symposium will be certified by the Bavarian Medical Association (BLÄK) with seven medical education points (CME-credits)

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