

# Lab Visit – Human Movement Sciences

Department of Human Movement Sciences, Sport and Health  
University of Graz

Thursday, June 20<sup>th</sup>, 2024 at 3 pm

15:00 **Welcome** Vice Rector **Joachim Reidl**  
BioTechMed-Graz Director **Rudolf Zechner**, Co-Director **Robert Krause**

## Short Talks – Biomechanics laboratory

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- 15:05 **Markus Tilp:** “The Laboratory of Biomechanics & Human movement Science – projects on the plasticity of the muscle-tendon unit.”
- 15:15 **Andreas Konrad:** „Muscle stretching and its alternatives: The effects on muscle-tendon function and structure.“
- 15:25 **Gerhard Tschakert:** „Prescription of exercise intensity and duration – need for individualization.“
- 15:35 **Peter Hofmann:** „Why and how to apply Training Therapy to gain beneficial effects in chronic diseases?“

## Station operation – demonstrations or hands-on

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- 15:45 **Labor für Biomechanik:**  
3D motion – capture, EMG, Kraftmessplatte - Sprunghöhenmessungen
- 16:00 **Trainingsraum B:**  
1080 Synchro Kraftmessungen + Ultraschall
- 16:15 **Labor für Sportphysiologie:**  
Kardiorespiratorische Messungen am Fahrradergometer
- 16:30 **Labor für Sportphysiologie:**  
Laktat-Stoffwechsel bei Laufband-Belastungen, Kurz-Besichtigung Trainingsraum A

## 16:45 Get together & buffet

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### Venue:

Department of Human Movement Science, Sport and Health, University of Graz  
Aigner-Rollett-Allee 13, A-8010 Graz  
→ New training and diagnostics centre



### Childcare:

will be provided from  
**2.30 to 5.30 pm**  
(if 3 or more children

are registered)

Please register at [office@biotechmedgraz.at](mailto:office@biotechmedgraz.at) until June 18, 2024.

We are looking forward to welcoming you!