

BREAKTHROUGH RESEARCH IN ISOKINETICS

PRESENTING A MULTI CENTRE BACK PAIN STUDY FROM GERMANY

SEPT 27TH 2014

9AM-5PM

LOCATION:

UNIVERSITY OF MONTREAL
LAVAL CAMPUS
DEPARTMENT OF KINESIOLOGY
ROOM 1114
1700 rue Jacques-Tétreault
Laval (QC), Canada H7N 0B6

FEE:

\$80 (\$40 FOR STUDENTS)

HIGHLIGHTS

Remington Medical and Physiomed are sponsoring Dr Steffen Müller from Potsdam University Germany to share his experience and extensive research using the Contrex, an isokinetic device that is unique to Canada but known in the world in high performance labs and sports teams.

Mickael Begon University of Montreal biomechanical research will be presenting his research and assisting with a demonstration and capabilities of their custom designed Contrex at the Laval campus.

CON-TREX FEATURES

What you'll want to know:

- Legendary precision, durability and torsional stiffness
- Easy Positioning for reliable re-tests.
- Very flexible and only limited by the imagination of the tester.
- Double-check achieved target speed immediately after measurement with just one click. If "500°/sec" was measured, it is 100 percent accurate at "500°/sec".
- "Ballistic mode" allows large body segments with little range of motion reach high speeds
- Save raw data reports for future analysis. Nothing is hidden, all data is transparent

FACULTY

DR. STEFFEN MÜLLER

Chair of Sports Medicine and Sports Orthopaedics, Outpatient Clinic research assistant at University of Potsdam, Freiburg, & Stuttgart. Specializes in Neuromuscular control under dynamic loading situations with perturbations, analysis of gait development of children, and the diagnosis of strength capacity of rotational and linear single/multijoint movements.

DR. MICKAEL BEGON

Assistant professor in the Department of Kinesiology at the University of Montreal and Consultant to the National Sports Institute of Quebec. Dr. Begon has published 36 articles in scientific journals and three books on biomechanics for undergraduate students. He specializes in modeling and mechanical simulation of human movement for sport and locomotion.

"Mickael Begon is a rising star of biomechanical research, says Professor Paul Allard, who was a member of the evaluation of his doctoral thesis jury. Already considered the undisputed expert in gesture analysis and especially in terms of human locomotion and posture, it is dedicated to a very bright future"

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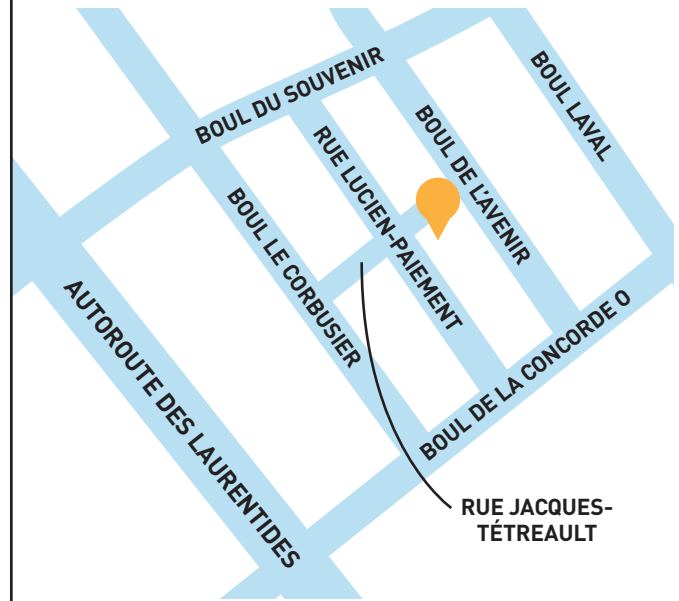
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AGENDA

- 9:05** Introduction and Theory of Isokinetic dynamometers and the unique ballistic mode from Contrex.
- 9:45** **Dr Mueller** | Spondelosis Study: Trunk strength in adolescent athletes with spondylolisthesis
- 10:30** Demonstration of the Contrex Multi Joint Dr
- 12:15** **LUNCH BREAK provided by Remington Medical (45 min)**
- 1:00** **Dr Mueller** | Back Pain Research Multi-Disciplinary Study: Low back pain in young athletes - relevance of trunk strength
- 2:30** Break and Questions
- 3:00** Special Applications using the Contrex
- 3:45** **Dr Mickael Begon** | Published research and opportunities in the future.
- 4:30** Questions

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