

19th EPFL – CHUV Research Day on Translational Musculoskeletal Biomechanics

**8H30-9H00****WELCOME COFFEE**

09:00 Welcome message A. Farron, Head of CHUV-DAL

09:00-10:30**MORNING SESSION I**

Chairman: P. Götti (CHUV-OTR)

09:00 Keynote address

Gait analysis: from virtual to anonymous sensors K. Aminian, EPFL-LMAM

09:50 Ski helmet and brain injury.....J.-Y. Fournier (Hospital VS), D. Pioletti (EPFL-LBO)

10:10 Identification of alternative antimicrobials for preventing prosthetic joint infections P. Abdel-Sayed (CHUV-UTR)

10:30-11:10**COFFEE BREAK****11:10-12:10****MORNING SESSION II**

Chairman: D. Pioletti, Head of EPFL-LBO

11:10 Column fixation with Burch-Schneider cage for geriatric acetabular fracture X. Lannes (CHUV-OTR), A. Terrier (EPFL-LBO)

11:30 Clinical model for biologically-enhanced artificial tendon grafts Z. Liao, J. Mueli, A. Laurent (CHUV-UTR)

11:50 Effect of Hydrostatic Pressure and Thermal Stimulation on Cartilage Degeneration: An In vitro Study ... G. Yanheng, T. Stampoultzis (EPFL-LBO)

12:10-13:30**LUNCH BREAK****13:30-15:15****AFTERNOON SESSION**

Chairman: J. Wegrzyn (CHUV-OTR)

13:30 Keynote address

Ambulatory mechanics in knee osteoarthritis J. Favre (CHUV-SBML)

14:20 An adhesive hydrogel device for repair of knee cartilage lesions..... P. Karami (EPFL-LBO)

14:40 A Bayesian network model to predict Cuff Tear Arthropathy plausibility P. Götti (CHUV-OTR), P. Eghbali (EPFL-LBO)

15:00 Best presentation award

15:10 Conclusion A. Farron, Head of CHUV-DAL

Continuous training approved by the Swiss Society of Orthopedic Surgery: 8 credits