

10h-10h15 : Introduction

Séance 1 : 10h15-12h

- R. Souron / T. Lapole : Effects of vibration training on active tibialis anterior stiffness evaluated using supersonic shear imaging
- M. Cruel : Characterizing and optimizing the 3D mechanical environment of stem cells in bone tissue engineering bioreactors
- W. Krasny : Multi-scale characterization and modeling of the mechanical behavior of aortic aneurysms
- C. Jayyosi : Mechanical and microstructural characterization of Glisson's capsule behavior up to failure, for the prediction of human hepatic tissues injury risks
- A. Ogier : Mechanical properties of healthy and Osteogenesis imperfecta children bones, and influence on resorption
- M. Djaghoul : Ultrasonic method for determination of skin mechanical properties

Repas

Séance 2 : 13h30-14h30

- D. Cleret : 3D quantitative imaging of subchondral bone vascularisation in a mouse model of traumatic knee osteoarthritis
- A. Salerno : In Vitro Skin Decontamination of the Organophosphorus Pesticide Paraoxon with Nanometric Cerium Oxide CeO<sub>2</sub>
- F. Frauziols : In vivo identification of the passive mechanical properties of soft tissues in the human leg

Séance Poster : 14h30-15h30

Séance 3 : 15h30-16h30

- A. Levillain : Viscoelastic properties of osteoarthritic menisci
- A. Juban : Predictive model for tensile strength of pharmaceutical tablets based on local hardness measurements
- L. Juiqnet : Impact of substrate curvature of hydroxyapatite scaffold on osteogenesis