



# UNIVERSITÀ DEGLI STUDI DI BRESCIA

## Dottorato di Ricerca Technology for Health

*Presentazioni delle attività di ricerca degli studenti di dottorato*

**22 novembre 2017 – ore 9.00**

Sala Consiliare - Via Branze, 38

9.00: Linda Sangalli (Prof. Corrado Paganelli, Prof. Alberto Signoroni)  
*Elaboration of a digital system for three-dimensional measurement of orthodontic teeth movements.*

9.15: Davide Mattavelli (Prof. Piero Nicolai)  
*3D printing of biocompatible engineered polymers for personalized skull base reconstruction in endoscopic skull base surgery.*

9.30: Gaia Faustini (Prof.ssa Alessandra Valerio, Dott.ssa Arianna Bellucci)  
*Development of novel data processing systems for image analysis to predict pathology staging in experimental models of Parkinson's disease.*

9.45: Lukas Berr (Prof. Corrado Paganelli)  
*Involvement of relatives in advance elderly care by remote app through education of healthcare professionals.*

10.00: Mattia Savardi (Prof. Alberto Signoroni)  
*Visual content analysis with Machine-Learning and Deep-Learning methods for biomedical and neuroscientific applications.*

10.15: Paolo Bellitti (Prof. Emilio Sardini, Prof. Mauro Serpelloni)  
*Flexible monitoring system for automated detection of bacterial growth in a commercial specimen processing platform.*

10.30: Saad Abdullah (Prof. Emilio Sardini, Prof. Mauro Serpelloni)  
*Measurement systems for protein detection.*

10.45: Stefano Lenzi (Prof. Nicola Francesco Lopomo)  
*Integrated methodologies for the assessment of musculo-skeletal diseases: applications and on-field experience.*

11.00: Federica Re (Prof. Domenico Russo)  
*Development of a 3D cell culture model based on biocompatible polymeric scaffolds engineered with human Mesenchymal Stromal Cells (MSCs) for skin, cartilage and bone regenerative therapy.*