



UNIVERSITY
OF BRESCIA

PHD IN TECHNOLOGY FOR HEALTH
XXXI CYCLE



PhD thesis defense

March 5th, 2019

Sala Consiliare, Faculty of Engineering, via Branze 38

10:00 **Muhammad Ahmed Khan** (Prof. Emilio Sardini)

Design, fabrication and characterization of implantable device and sensorized scaffold for biosensing application

10:30 **Luca Merigo** (Prof. Antonio Visioli)

Automatic control strategies for optimized drug administration in anesthesia

11:00 **Mariagrazia Marziano** (Prof. Emilio Sardini, Prof.ssa Daniela Uberti)

Impedance-based sensors for cell culture monitoring

11:30 **Marika Premoli** (Prof. Maurizio Memo)

Analysis of ultrasonic communication in a mouse model of neurodevelopmental disorder

12:00 **Sara Busatto** (Prof. Paolo Bergese, Prof. Marco Rusnati)

Novel routes for manipulating and engineering extracellular vesicles

12:30 **Simone D'Onofrio** (Prof. Fabio Bignotti)

Surface functionalization of angioplasty balloons

13:00 **Andrea Bodini** (Prof. Emilio Sardini)

Low power wireless system to monitor the pressure of the tongue on the palate