ICFO

SEMINAR: Imaging biological systems at the micron scale

FREDERIQUE VANHOLSBEECK

September 02, 2025
12:00 to 13:00
Seminar Room

Our research group uses light to study biological processes with the aim of developing n w diagnostic devices and deepening our understanding of the living world. In particular, we focus on non-communicable diseases, hearing, and bacteria. We work mainly with th ee optical techniques: optical coherence tomography, fluorescence spectroscopy nd vibrational spectroscopy. During the talk, I will focus on a few projects, such as he recent imaging platform we developed to image soft tissue in real-time as they are subj cted to controlled mechanical stress and showcase some recent results and how they are pa t of the research programme of Te Whai Ao --- the Dodd Walls Centre for Photonic and Qu ntum Technologies.

Hosted by: Prof. Dr. Juan P. Torres