

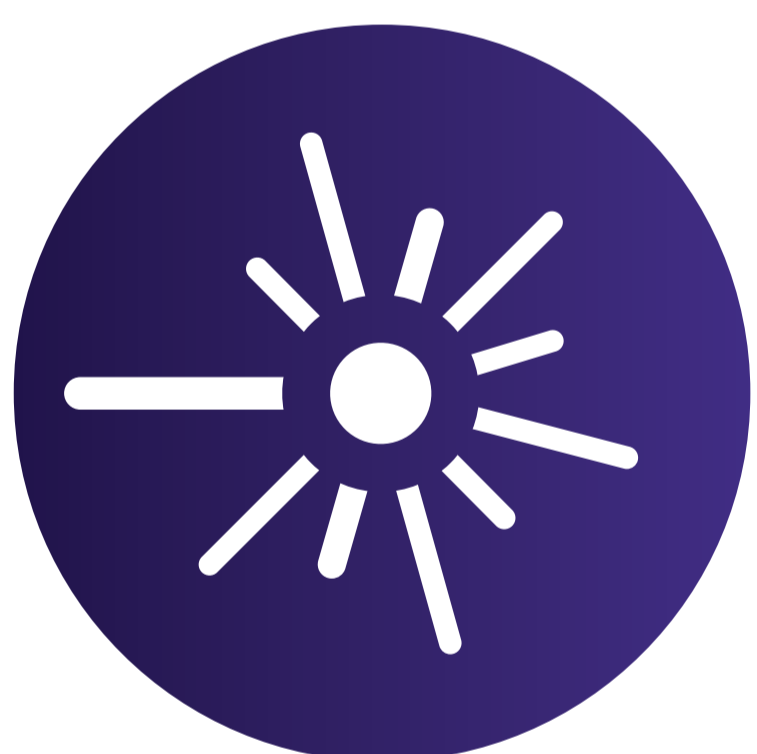
MIRACLE

www.miracleproject.eu

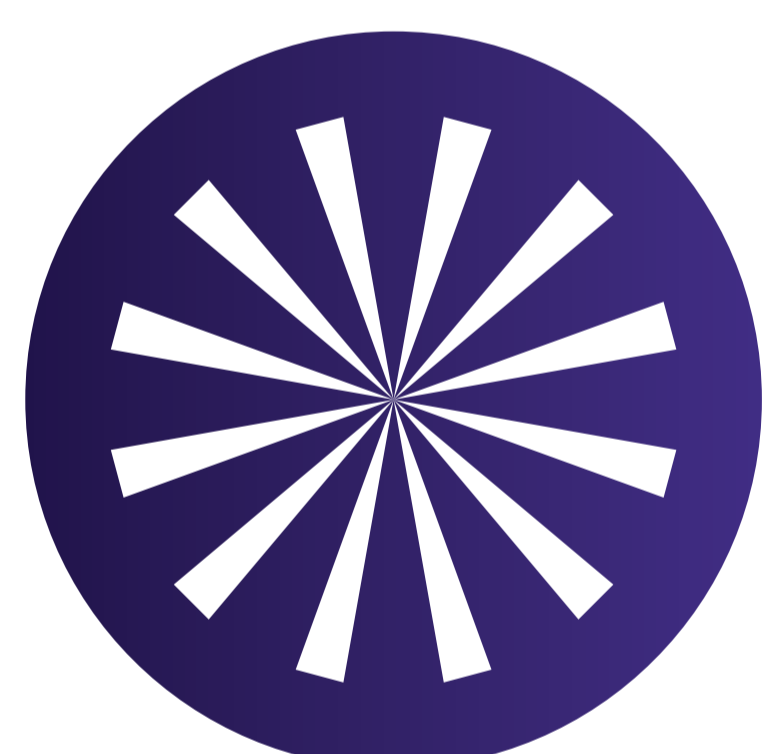
COMBINING TECHNOLOGIES. CREATING SOLUTIONS.

MID-INFRARED ARTHROSCOPY IMAGING SYSTEM

Tailored laser
light source



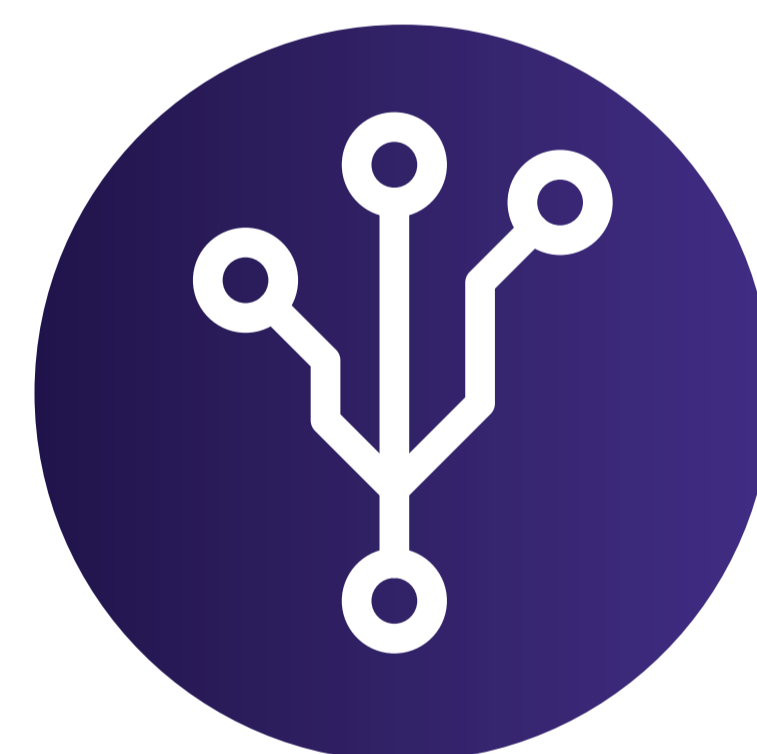
Beam
combiners



Waveguides
(for spatial resolution)



System
integration

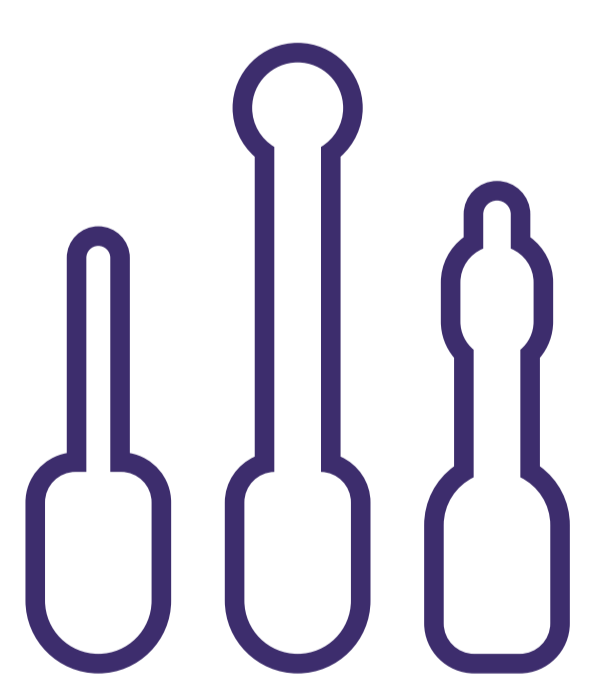


Multivariate
modelling

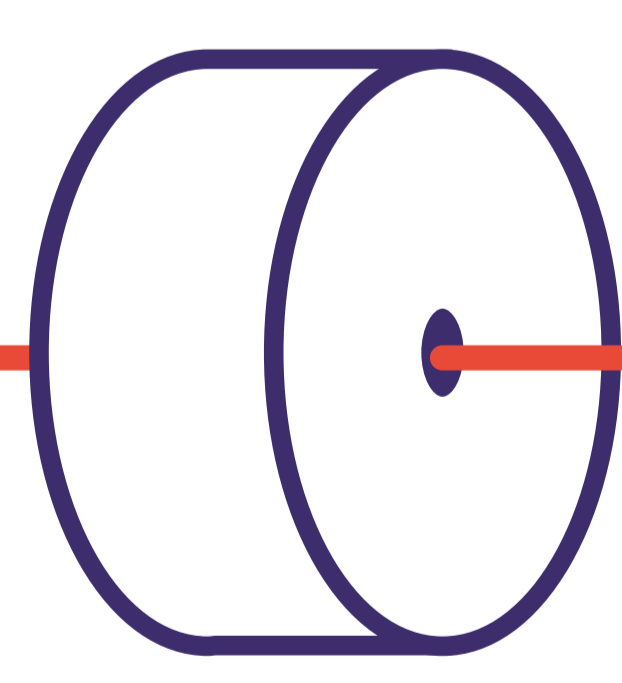


WORK IN PROGRESS

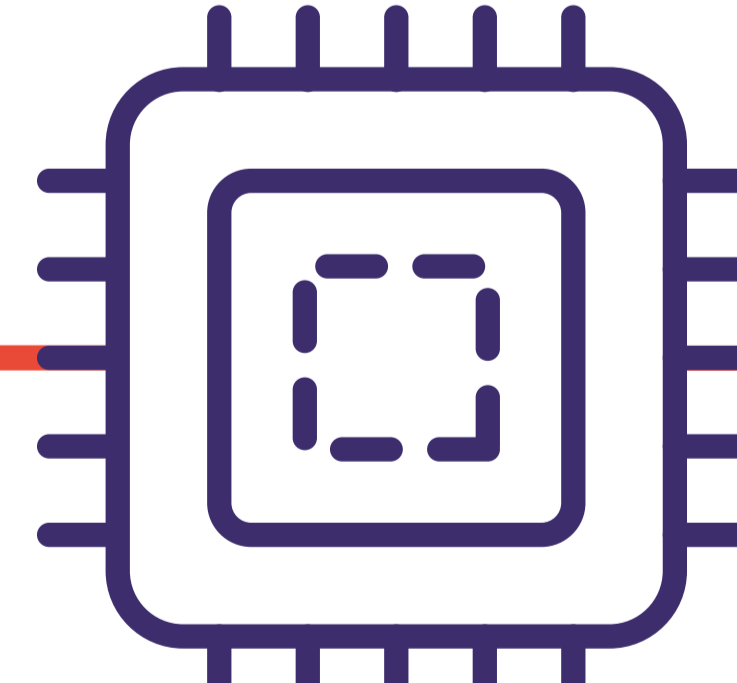
SYSTEM INTEGRATION



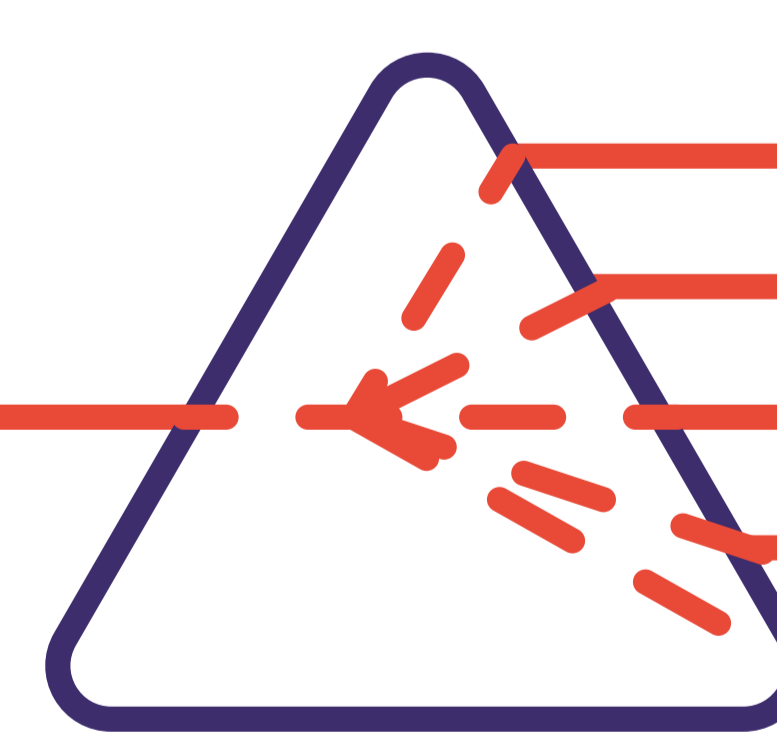
Arthroscopy



Photonics



iBeam



MIR-ATR



Accurate diagnosis

MIRACLE will develop the first mid-infrared attenuated total reflection (MIR-ATR) probe capable of quantitative and real-time assessment of articular cartilage during arthroscopic surgery.

CONSORTIUM



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