

## DEMO 6: OM research tools – basic experiment

**AIM:** This demo shows a simple example of how some of OM research tools (OMEXP, OM-MHA plugins, OMRP) could be used together to perform experiments with CI users.

**DESCRIPTION:** Our experiment design tool, OMEXP, is running an experiment sequence in which, the user can program a simple stimulus to be delivered by the implant via our research platform, OMRP.

To do so, OMEXP sends control commands to an openMHA instance running the OMRP driver plugin in a separated computing NUC.

The pulses delivered at electrode level are visualized with an oscilloscope (Saleae).

**BENEFITS:** Easily build and execute experiments with CI subjects using OM research tools.

**POSTERS:** #1637 (OMEXP, OMRP, OM-MHA), #1732(OMFRP)

