

“ The Cellbox™ provides a highly reliable tool for live transport of highly sensitive stem cell populations and their derivatives.

THE PROJECT

By utilising iPS-technology, scientists at LIFE & BRAIN have been able to develop advanced in vitro models of sensory neurons. In this project, the sensory neurons are sent between two sites on a regular basis and the workflow is dependant on the easy-to-use Cellbox™ to provide excellent research. The 24 well multi-electrode array plates can be plated at Bonn and immediately put into assay at Aachen.

As part of the validation, the project looked into the plate read-outs before and after the transport of 100 km by car where the Cellbox™ maintained a steady 37°C and 5% CO₂ atmosphere.

THE OUTCOME

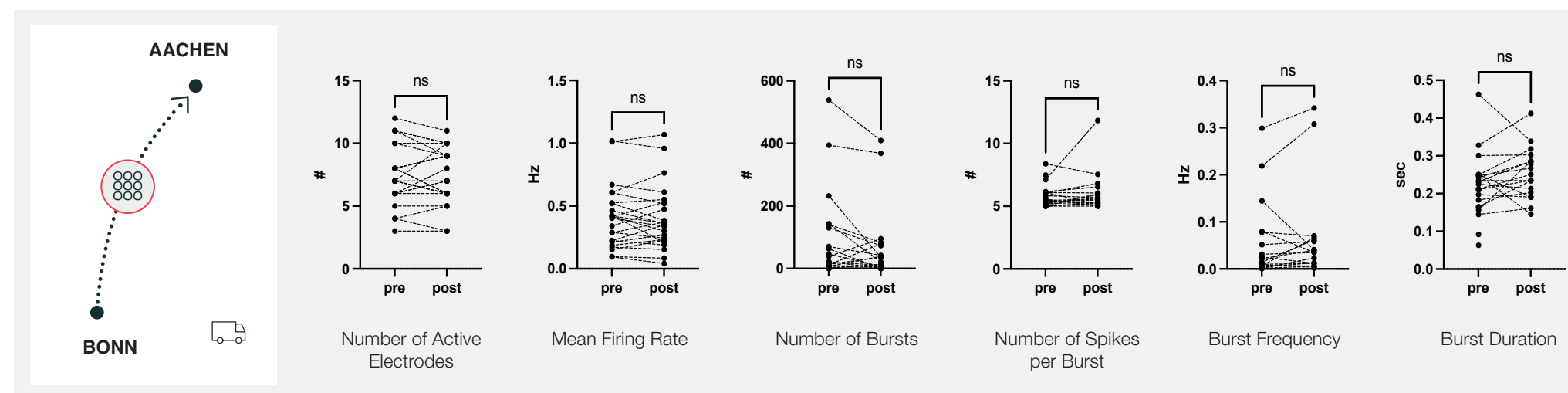
The pre- and post-transport plate read-outs showed no significant difference, attributed to the exceptional performance of the Cellbox™ device to keep the cells in a steady environment throughout the transport.

The Cellbox™ have been used for this, and similar projects at LIFE & BRAIN since 2018. The device has truly facilitated collaborations, both regionally and internationally.

Transporting Sensory neurons as in vitro models for neurological disorders and neuropathic pain

Cellbox Solutions

LIFE & BRAIN GmbH is specialized on genomic and stem cell based research and development services. Human iPSC-derived cells of the central and peripheral nervous system are powerful in vitro models for disease research and drug discovery applications. Employing the Cellbox™ for environment-controlled transport of high quality customized human cellular models helps us to provide live and assay-ready cells to our partners.



LIFE & BRAIN GmbH