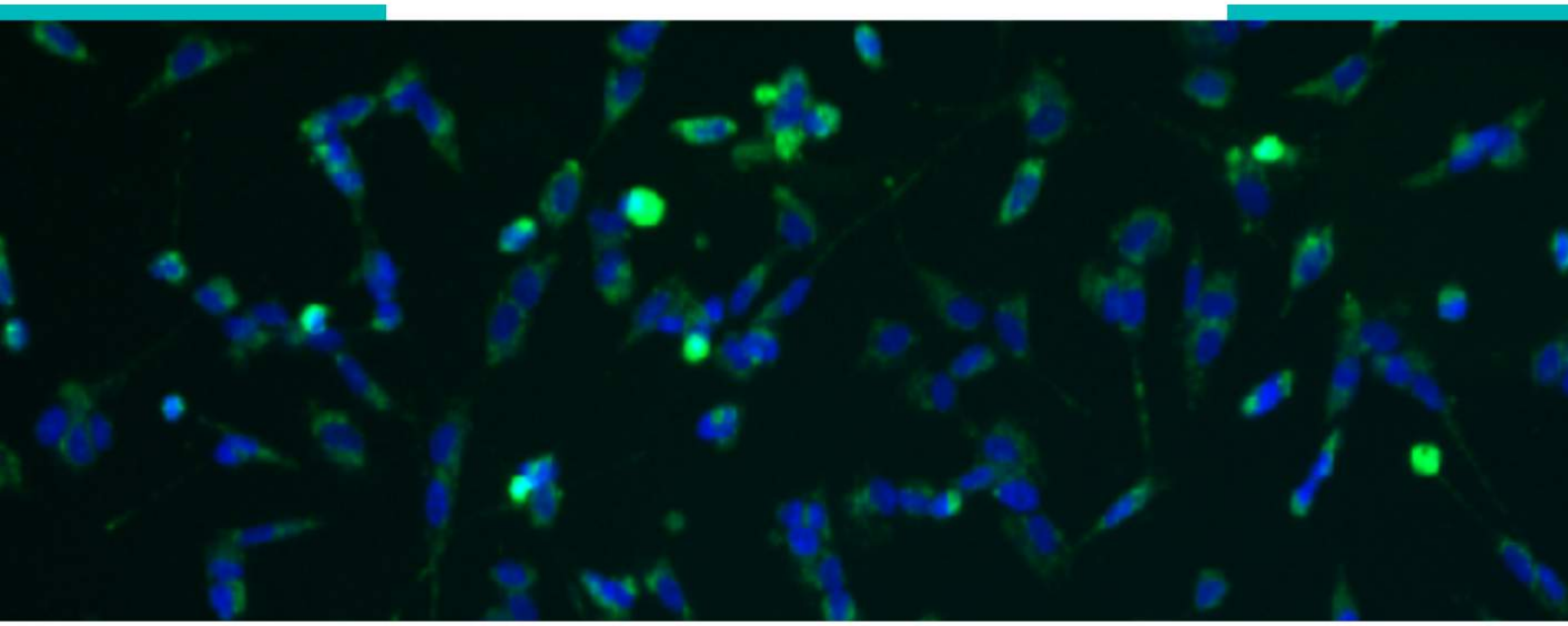
NEWSLETTER

DISCOVERING AXONOVA LABORATORY



TOP NEWS OF THE MONTH

READ MORE

ABOUT US

Axonova is a private biotechnology laboratory, located in Mauritius. It is a startup founded in 2017 by Dr Fabien Boulle, a neuropharmacologist with over 10 years' experience in the field. Currently, we are a team of 8 scientists specialised in *in vitro* Research and Development. Our combined expertise enables customisable and high quality services to all our clients and collaborators.

READ MORE

Axonova aims to become the reference laboratory for exploratory research and bio-analytical testing in the Sub-saharan region. Equipped with advanced technologies, the company pioneered the setting up of a High Content Screening platform for pharmaceutical, nutraceutical and cosmetic testing.

OUR STRATEGY

OUR SCIENCE

OUR NATURAL EXTRACT LIBRARY

The laboratory's vocation is to explore and valorise the regional biodiversity, which represents a very unique ecosystem offering access to thousands of plants and marine species that exist nowhere else on the planet. Over the years, we have constructed a comprehensive library of natural bioactives with proprietary validation by phytochemical characterisation and *in vitro* cellular models.

OUR HIGH CONTENT SCREENING PLATFORM

Our High Content Screening platform CellInsight CX5 involves cellomic approaches, providing relevant information on global cellular behaviour.

The technology is designed to measure at least 36 phenotypic parameters using a fluorescence microscopy approach and capable of analysing 96-well plate set ups in minutes.

At Axonova, we have set up multiple cell lines and disease models to study the pathophysiology of brain disorders, diabetes and triple-negative breast cancer. We focus on library screening to identify hit candidates worthy of further in-depth investigations.

These screens can be used either to evaluate potential therapeutic agents in a specific pathological context, or to test their toxicity in drug development applications.