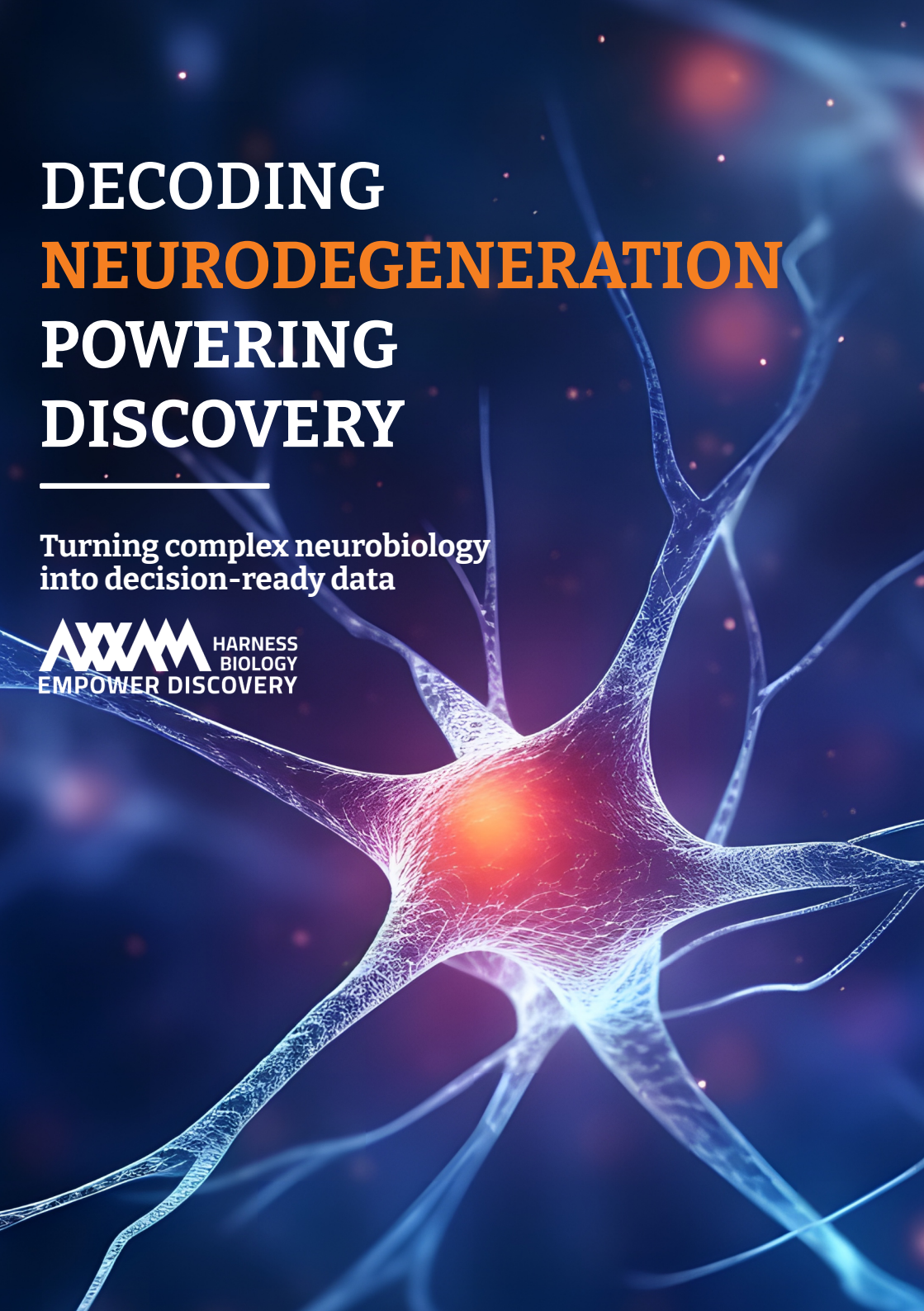
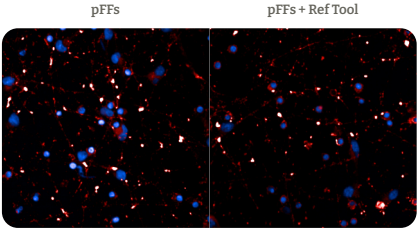

DECODING
NEURODEGENERATION
POWERING
DISCOVERY
Turning complex neurobiology
into decision-ready data
AXAM
HARNESS
BIOLOGY
EMPOWER DISCOVERY

MODEL ASSAYS IN NEURODEGENERATION

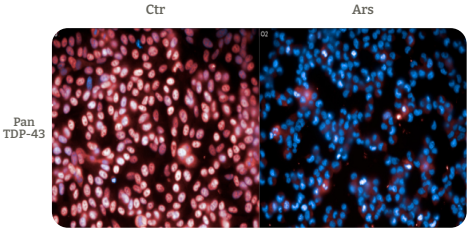
Human iPSC-derived models to study key mechanisms in major neurodegenerative diseases

PARKINSON'S DISEASE



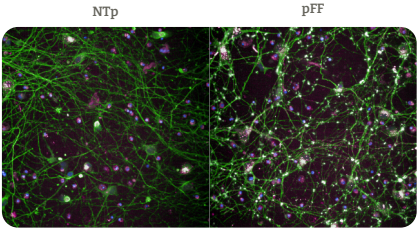
- **α-synuclein** aggregates
- Neurite outgrowth
- Viability
- Organellar analysis
- Single organellar electrophysiology (LysoPatch)

AMYOTROPHIC LATERAL SCLEROSIS



- **TDP-43** mislocalization and splicing analysis
- Neurite outgrowth
- Viability
- Calcium oscillations
- Organellar analysis
- Electrophysiology and multi-electrode array

ALZHEIMER'S DISEASE



- **TAU** aggregates
- Neurite outgrowth
- Viability
- Calcium oscillations
- Organellar analysis
- Electrophysiological analysis

HUMAN-RELEVANT
iPSC-derived models that recapitulate human neurobiology

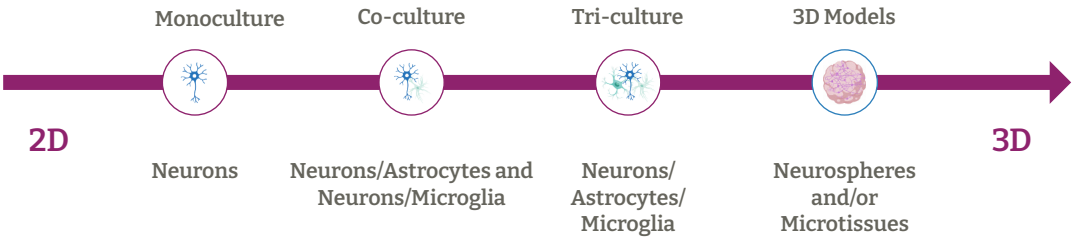
MULTI-PARAMETRIC
Integrated assays for comprehensive disease modeling

TRANSLATIONAL
From biological insight to actionable decisions

SCALABLE & ROBUST
Standardized workflows for reproducible high-throughput screening

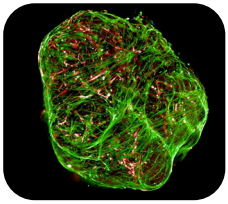
REDUCE PRECLINICAL RISK WITH HUMAN-RELEVANT 3D BRAIN MODELS

Human-relevant neural micro-tissues for drug discovery



3D NEURONAL MODELS

Tessara Therapeutics' RealBrain® neural microtissues, combined with Axxam's advanced High-Content Imaging, enable:

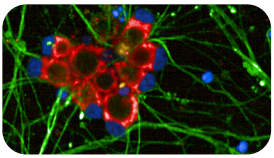


- **Physiologically relevant 3D neural networks**
  Capturing neuronal complexity beyond traditional 2D cultures.
- **Reproducible and scalable models**
  Supporting more consistent and screening-compatible workflows.
- **Multiparametric phenotypic profiling**
  Measuring multiple readouts from the same model.
- **Detection of complex biological responses**
  Revealing effects that simpler systems may miss.

AXXAM HARNESS BIOLOGY EMPOWER DISCOVERY

TESSARA THERAPEUTICS

CELL PAINTING for NEUROBIOLOGY



- **Quantitative cellular phenotyping**
  - from populations to subcellular traits
  - functional, morphological and genetic traits
- **iPSC-derived neurons**

AXXAM

Supporting your neurodiscovery programs

We provide end-to-end solutions to **de-risk your programs** and accelerate candidate selection.

INTEGRATED PLATFORM

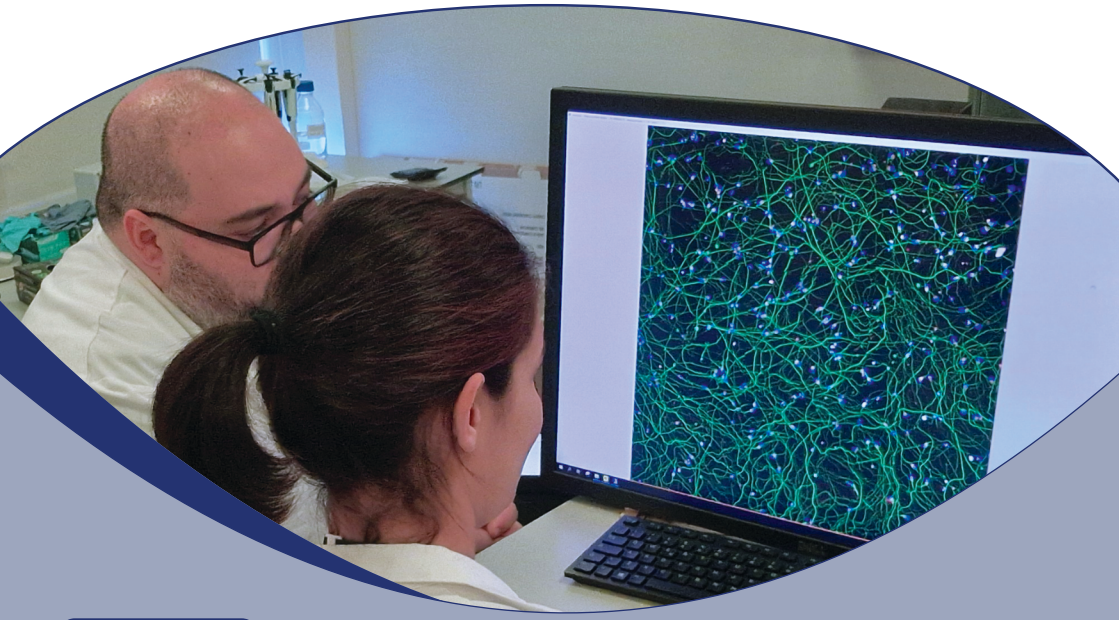
From target to mechanism

ADVANCED MODELS

Human biology at the core

DE-RISK DISCOVERY

Actionable data for better decisions



Scan to discover more about Axxam capabilities

AXXAM HARNESS BIOLOGY EMPOWER DISCOVERY

Translating innovative biology into bioactive molecules