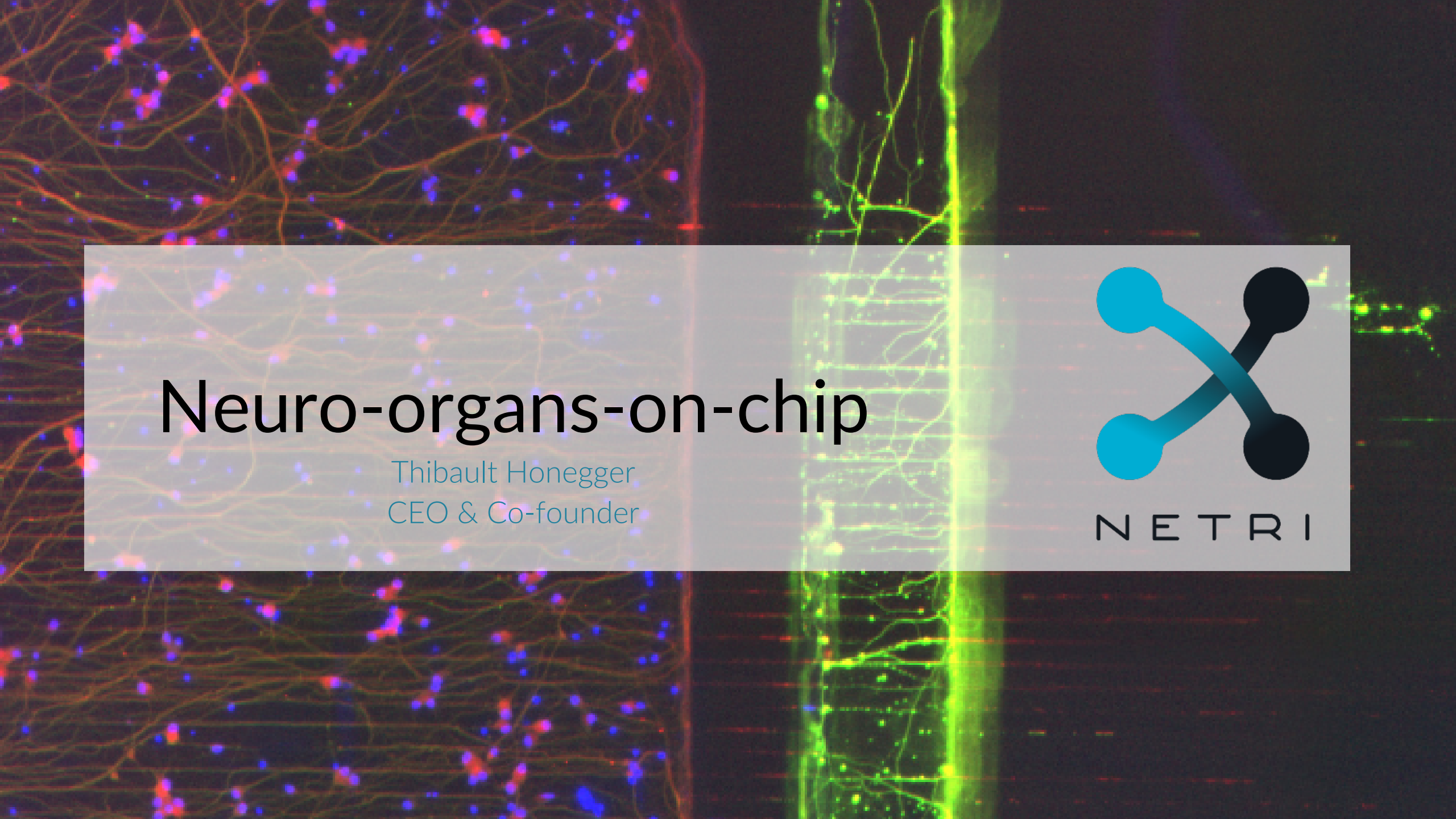


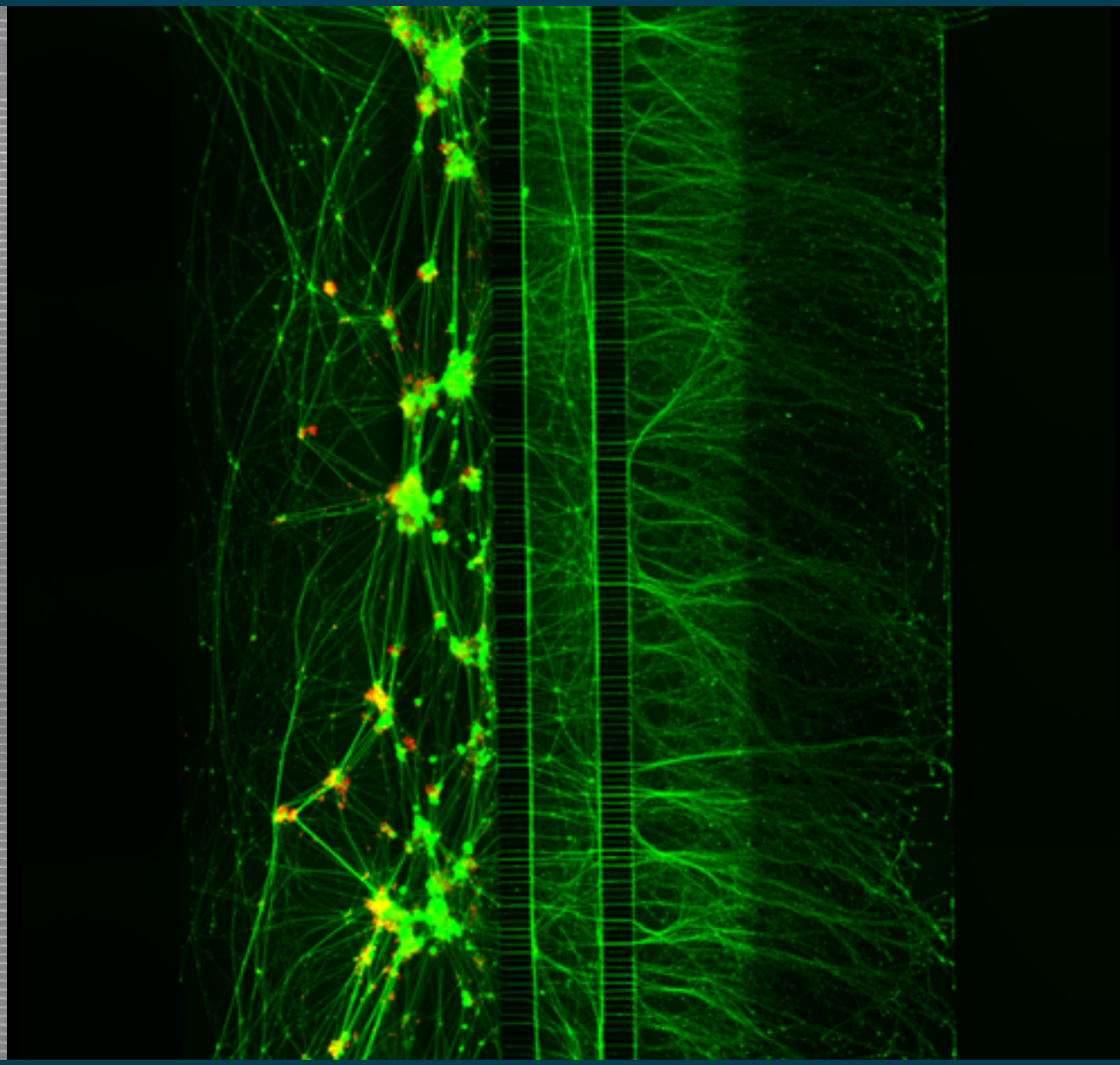
Neuro-organs-on-chip

Thibault Honegger
CEO & Co-founder

NETRI

NETRI, who we are

Founded 2018	**Multidisciplinary team**
44 people	**12 PhD. 12 Eng. 10 Tech.**
12 patents	**9 fully owned 3 licences**
72 clients	**Pharma / Cosmetics CRO Academia**



NETRI'S POSITION

High throughput selection of compounds using NETRI's NeoBento

Predicitve safe proofing using NETRI's NeoBento & Services

In 6 months

Save 2 years

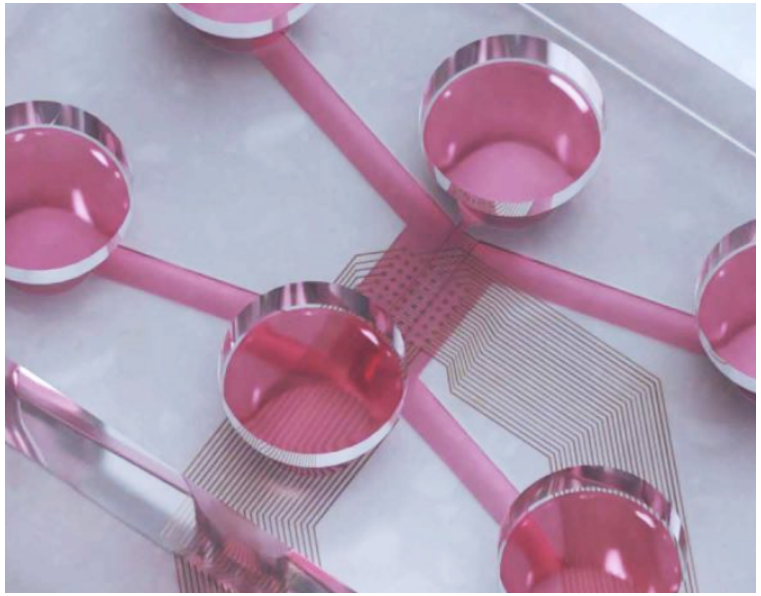
PHASES	DISCOVERY	PRE-CLINICAL		CLINICAL
ADDED VALUE	HIGH THROUGHPUT SCREENING TO KILL FAST COMPOUND	HUMAN BASED ASSAYS ON EFFICACY AND MODE OF ACTION		PRE-DEFINE YOUR COHORT
NETRI'S SOLUTIONS	ORGANS ON CHIP PLATFORM	COMPARISON TO REFERENCE COMPOUND	HUMAN BASED ASSAYS CO-DEVELOPMENT	HETEROGENEOUS BROAD-SPECTRUM SCREENING / SPECIFIC POPULATION SCREENING

The market is already looking to :

- **Speed up pre-clinical phases**
- **Diminish clinical failure rate**
- **Minimize animal testing**

To address this, we believe the future of pre-clinical research will be about **larger, faster and more predictive datasets, generated animal-free**

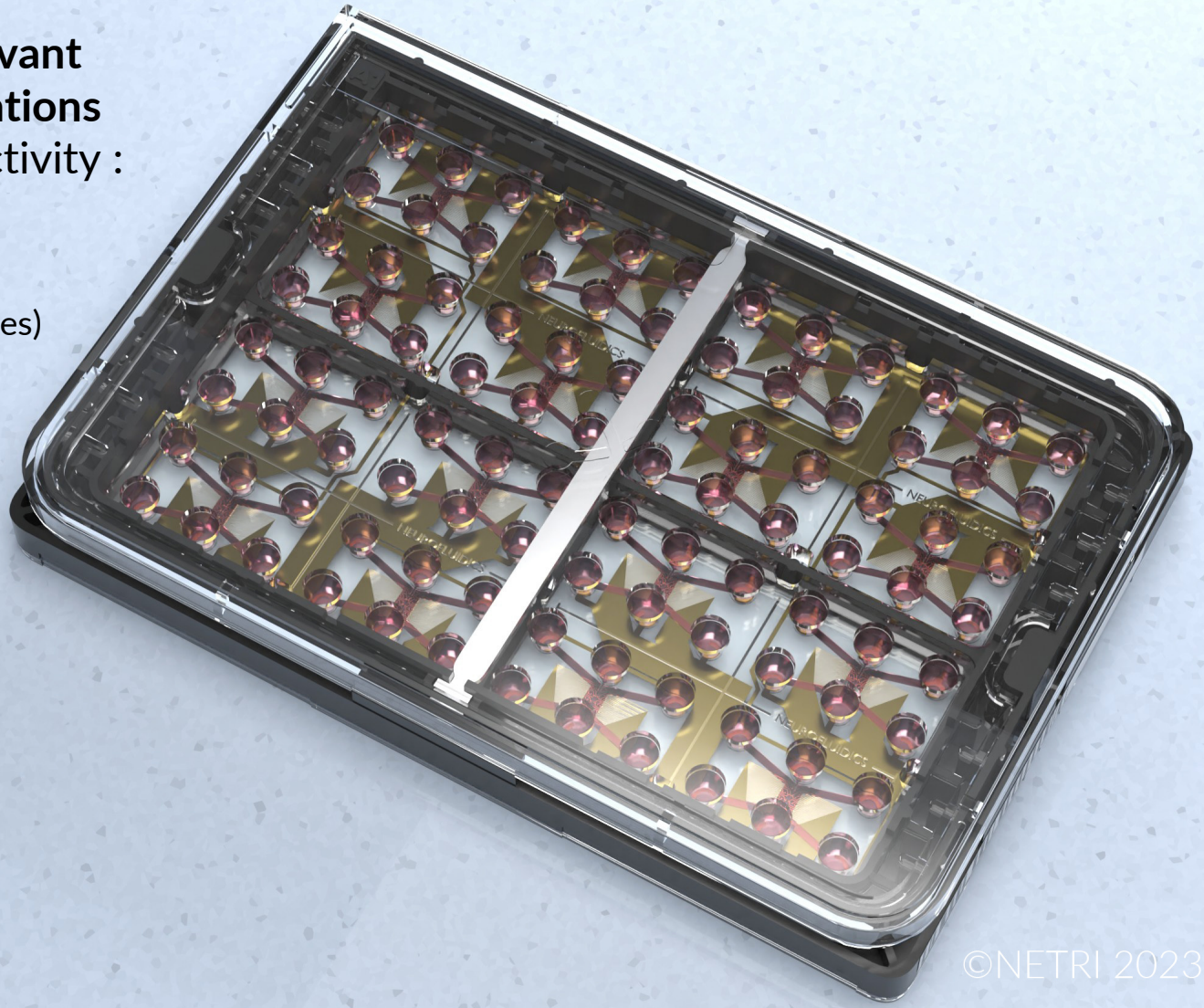
NETRI's interoperable high throughput neuro-OoC platform



NeoBento™ HT Format, in MEA version

Recreate physiologicaly relevant compartments of cell populations & monitor their functional activity :

- Neuron to Neuron CNS
- Neuron to Neuron PNS
- Neuron to Skin (Keratynocites)
- Neuron to muscle
- Neuron to X
- …



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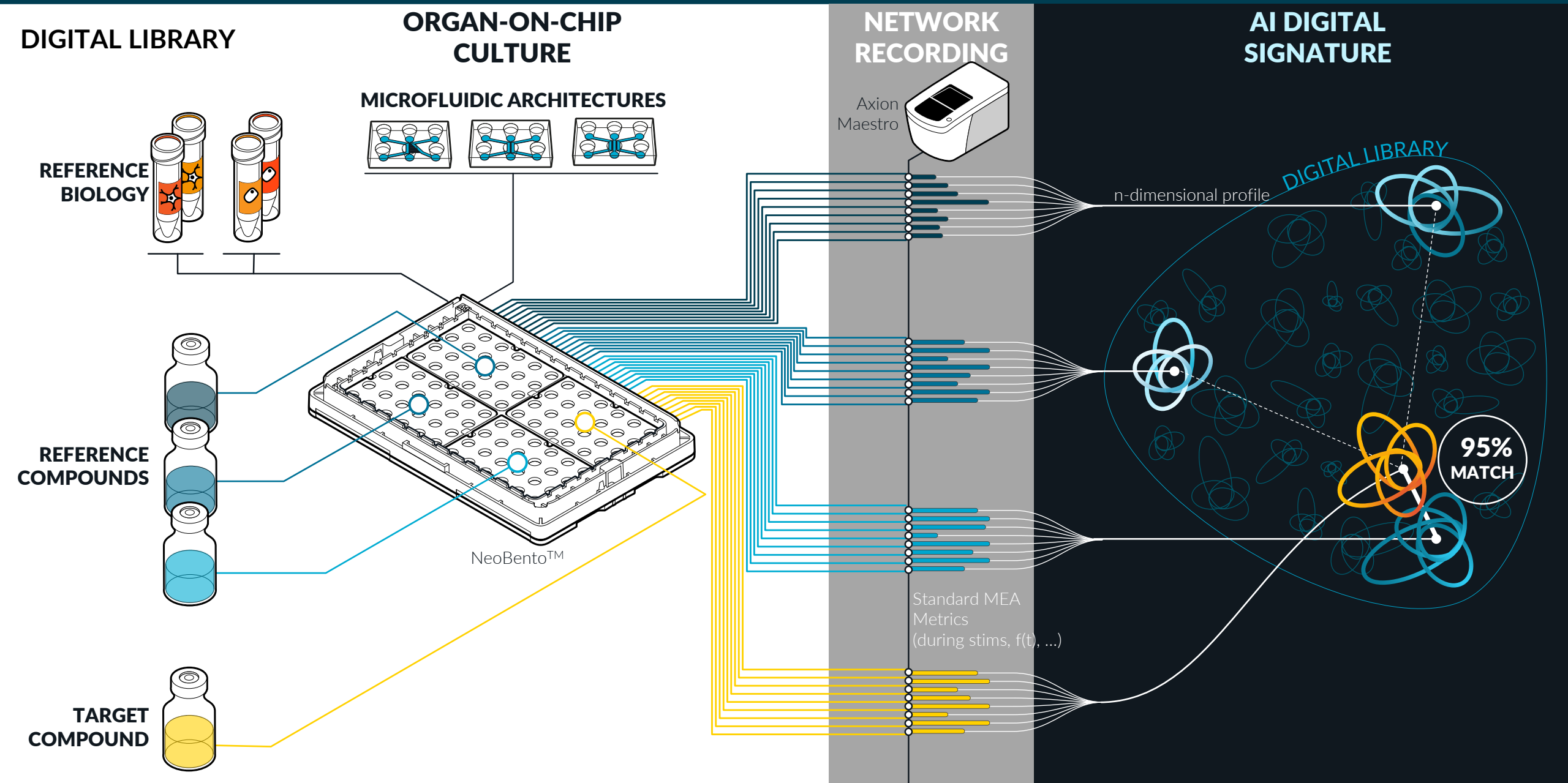
Stimulate (compound or electrical) one population to gauge the effect on the other populations without directly subjecting them.

Isolate and target synapse activity

Detect Speed and directionality of travel (tbc)

A Digital Library of network-effect signatures



Thank you!

PROVIDING NEURO-ORGANS-ON-CHIP FOR THE INDUSTRY

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