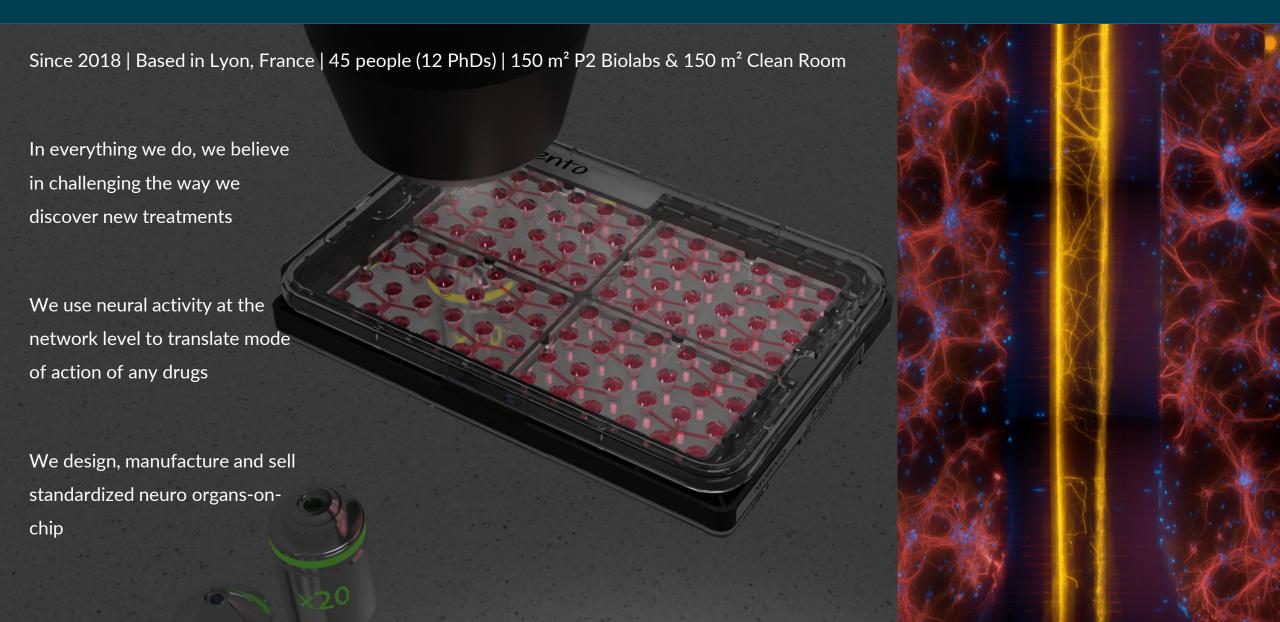


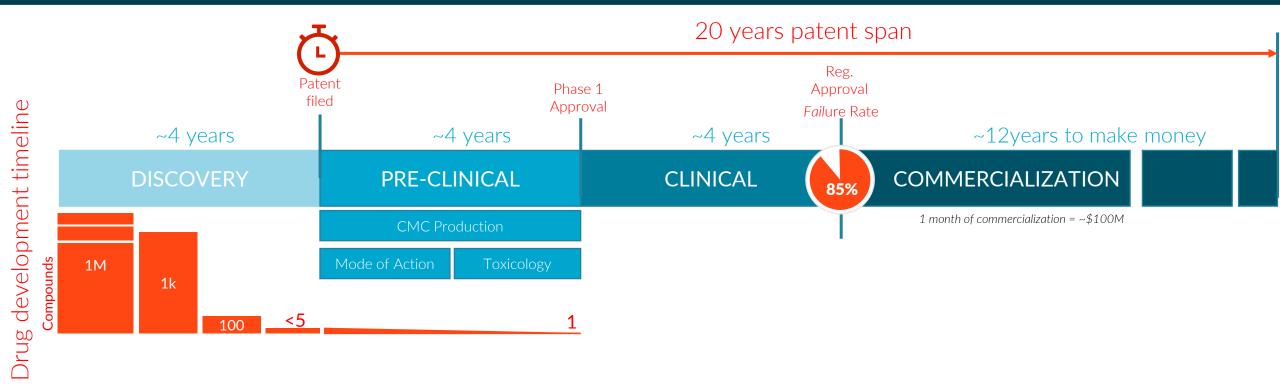
NETRI, Who we are





The Future of OoC





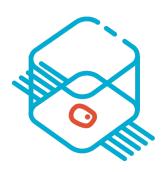
The market is already looking to:

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

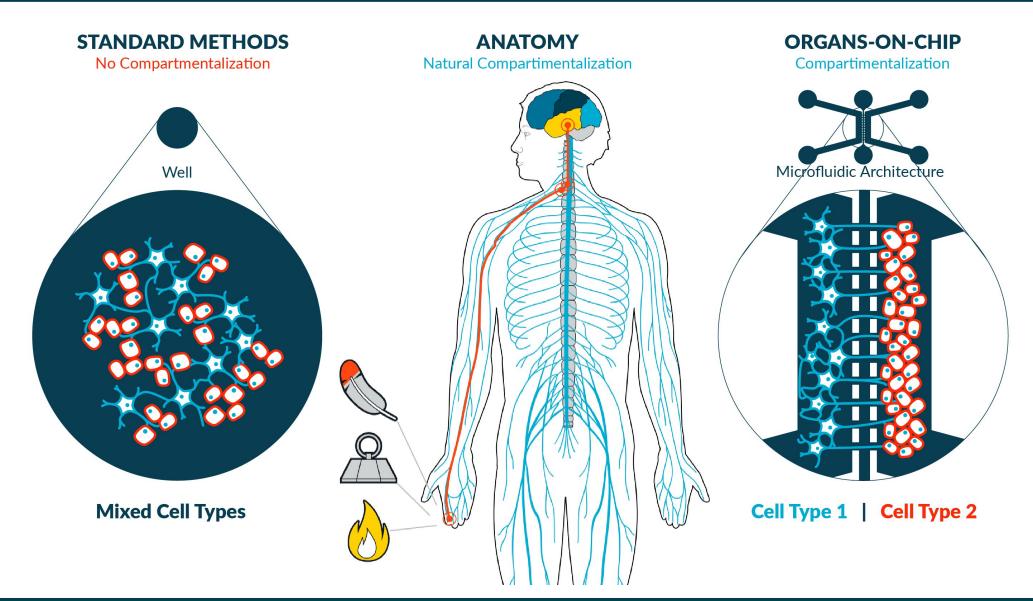
To address this, we believe the future of pre-clinical research will be about larger, faster and more predictive datasets, generated animal-free

Organs-on-chip for neuroscience





- Organs-on-chip, an in-vitro model closer to anatomy
- Ability to chose different cell types and differentiate them independently
- Architectures can be independent of culture type, making them modular in nature



NETRI, Who we are



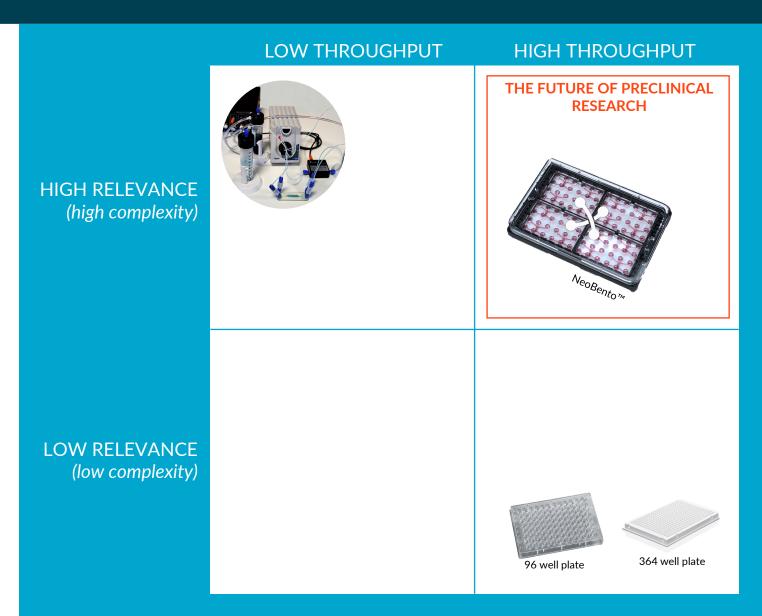
The market is already looking to:

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

Pre-clinical research will be about larger, faster and more predictive datasets, generated animal-free

Therefore, the future of OoC will be about increasing relevance (and complexity) while maintaining high througut capability, by

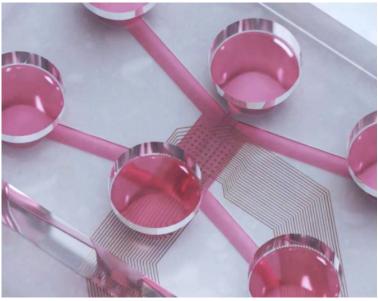
- Democratizing OoCs
- Leveraging existing equipement
- Standardizing datasets through Digital Libraries of compounds
- Preserving & Improving Relevance



NETRI's interoperable high throughput neuro-OoC platform 🔀 🛛 🗉 🕇 🖻 🗀 🗀 🗀 🖂



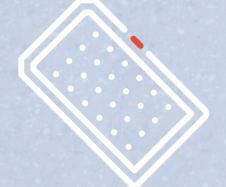




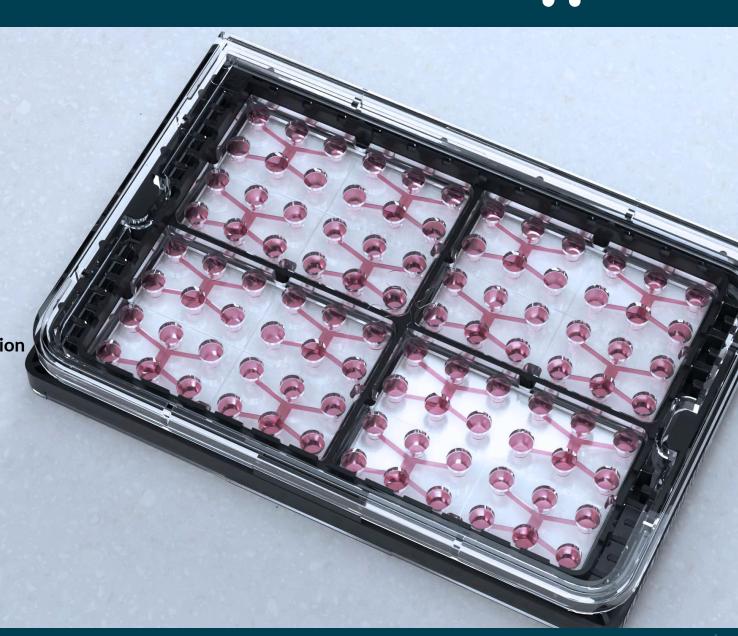


NeoBento™ HT Format





- Standard SBS alignment on 96-well plates format
- Compatible with liquid handling equipments and imaging equipments with available access paths and mapping
- Compatible with routing control imaging and high magnification imaging
- Flexibility and optimization of the experimental planning
- No up-front equipment
- Easy humidification
- Cellular viability
- Example :Compatibility with industrial high throughput equipment



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

•



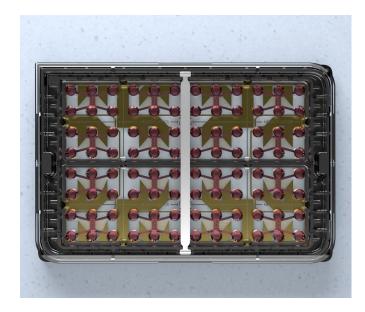
Stimulate (compound or electrical) one population to gauge the effect on the other populations without directly subjecting them.

Isolate and target synapse activity

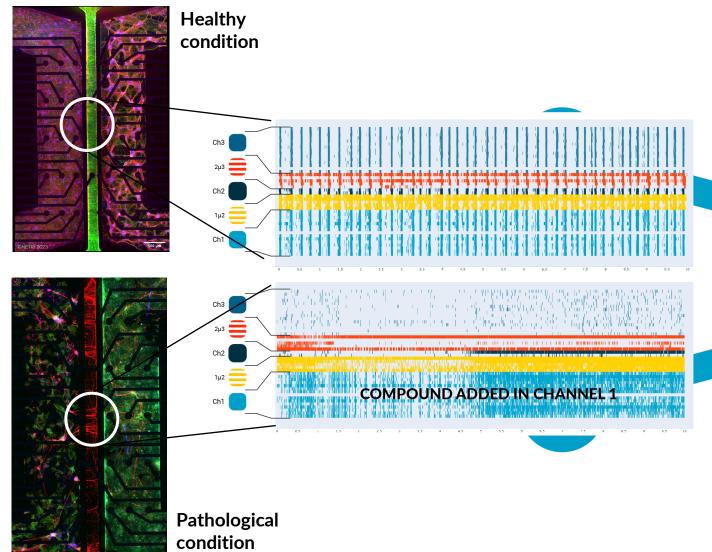
Detect Speed and directionality of travel (tbc)

Brain-on-chip





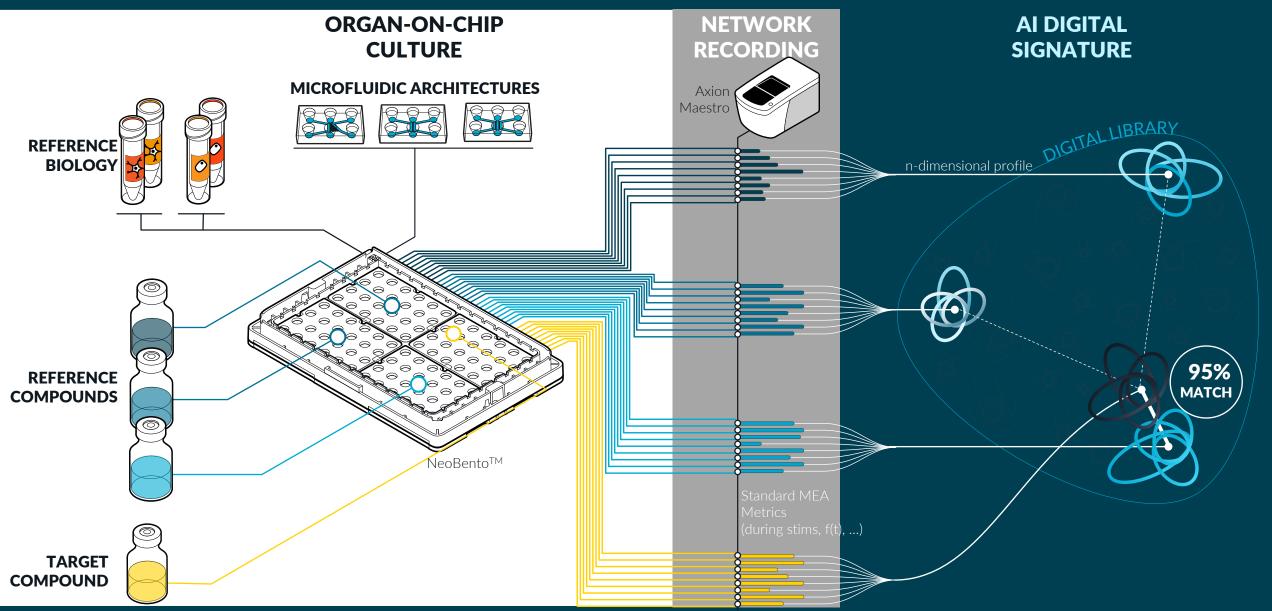






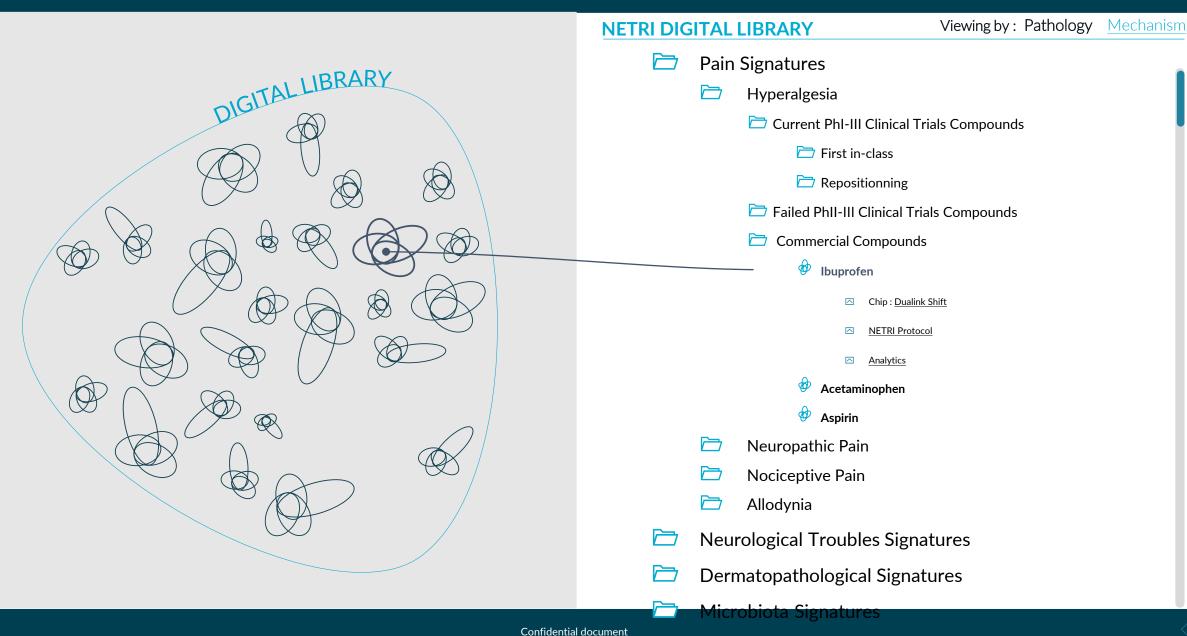
A Digital Library of network-effect signatures





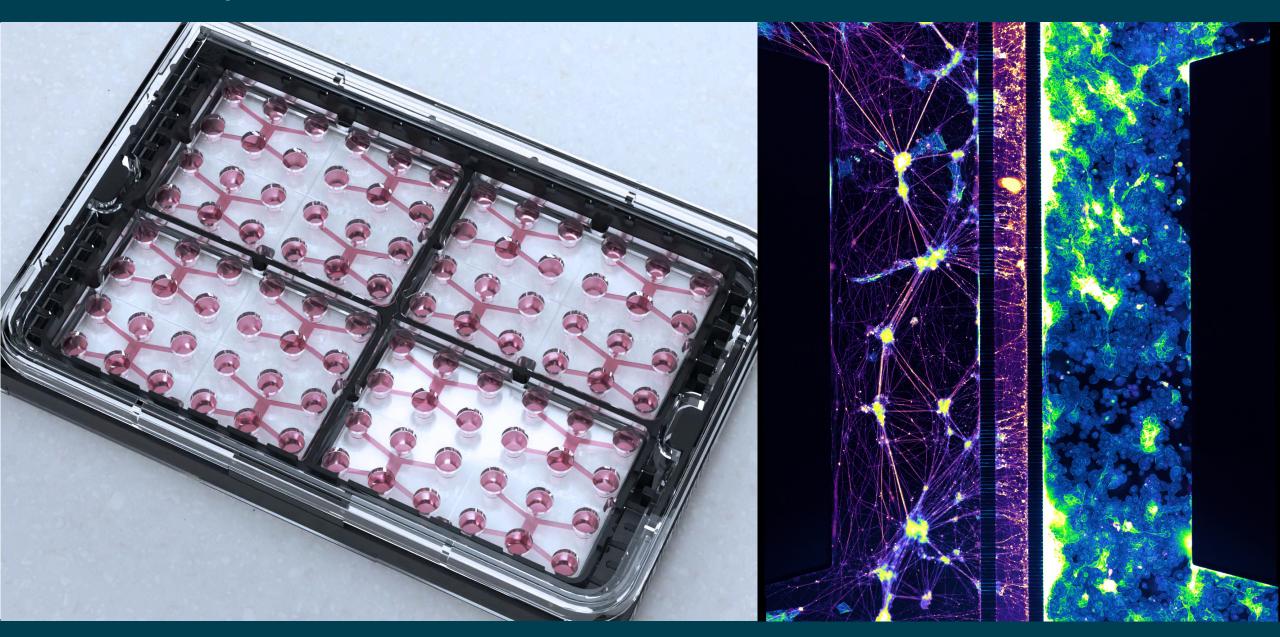
Digital Library Structure





Skin-on-chip

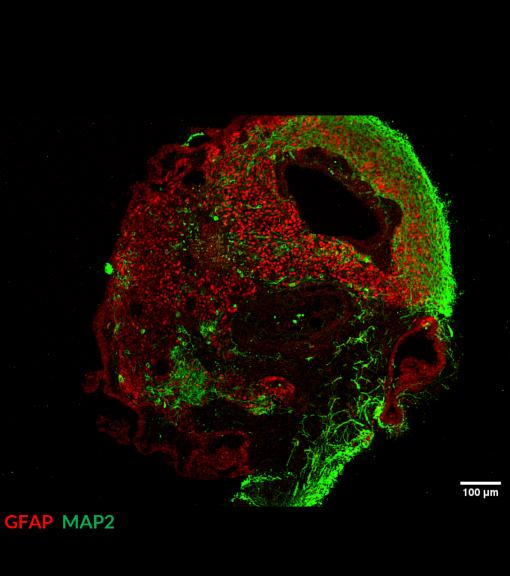




Brain-organoids-on-chip







New growth opportunities





ACADEMIA CALL TO PROJECTS Inserm 8 ° CellTechs EUROPEAN MEDICINES AGENCY

