



O1.
Who we are

02. Where we come from

03. Why an alliance?

04. What is NSA

05.
Benefits

06.

**Our vision** 



## WHO WE ARE



## **WHO WE ARE**



**Bruno Buisson, PhD**Founder, President and CSO



Olivier Toury
Founder & CEO



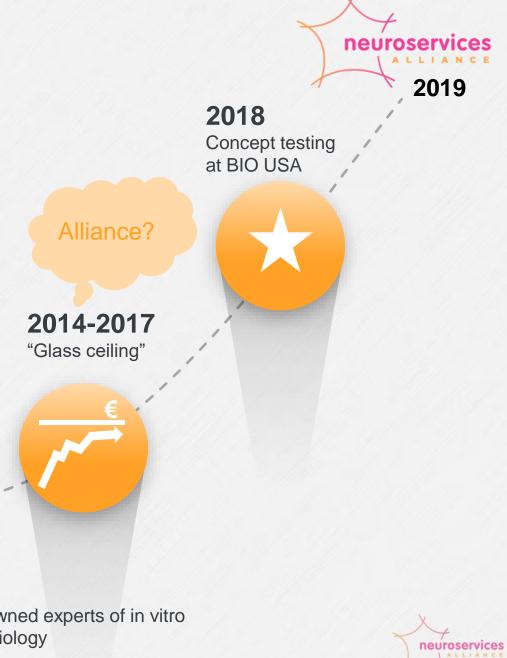


## WHERE WE COME FROM





## WHERE WE COME FROM...



2006 - 2014

Constant growth



2014

World renowned experts of in vitro electrophysiology



2006

## WHY AN ALLIANCE?





## **NEUROSERVICES-ALLIANCE: WHY?**

**GLOBAL** CROs

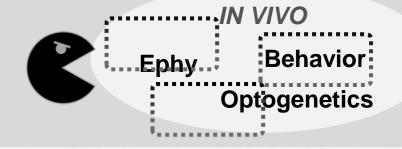
**CHARLES RIVER** 

**APTUIT** 

Wu-Xi

. . .

CNS MARKET





FOCUSED CROs



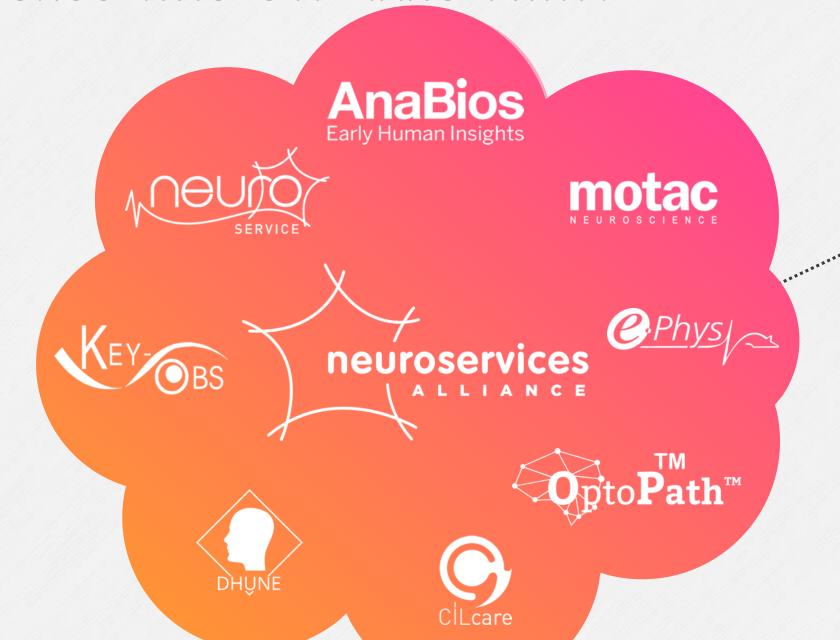
COMPETITOR X

**COMPETITOR Y** 





## **NEUROSERVICES-ALLIANCE: WHY?**

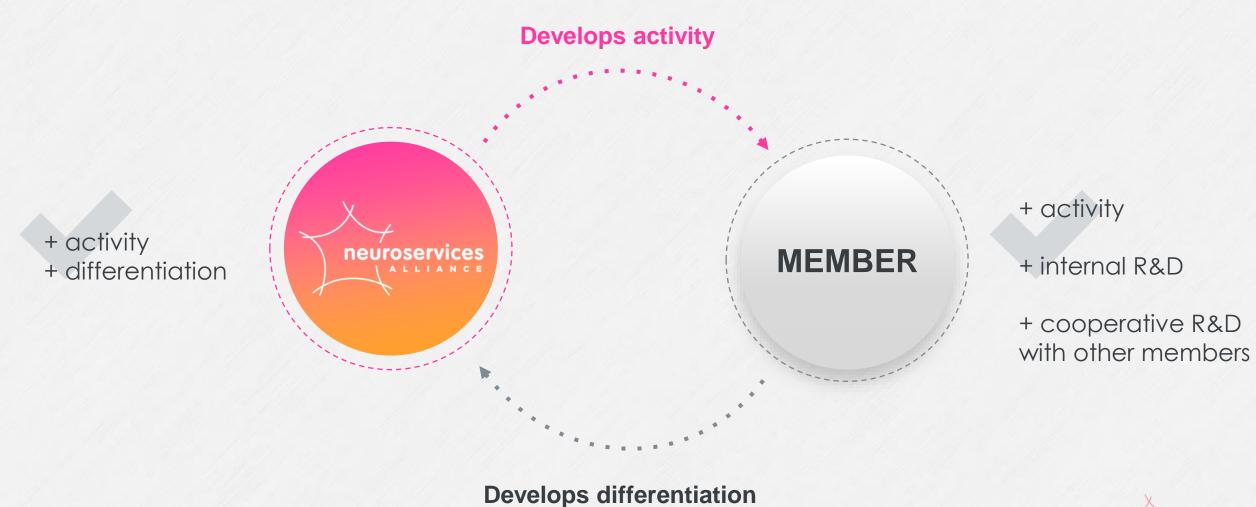


Growth & Synergy





## **NEUROSERVICES-ALLIANCE: WHY?**



neuroservices

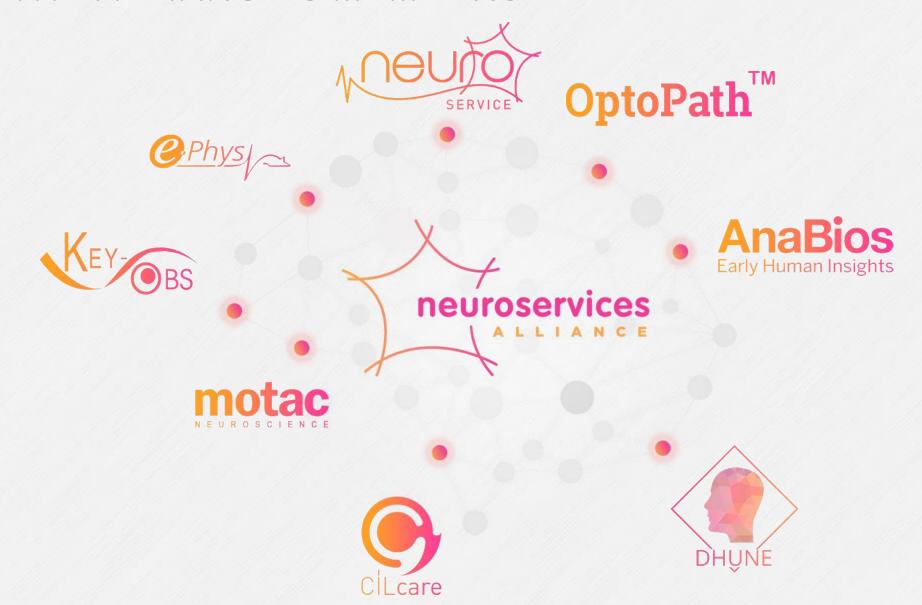


# WHAT IS NEUROSERVICES-ALLIANCE?





## THE ALLIANCE'S MEMBERS



























N













#### **ELECTROPHYSIOLOGY**



#### **CELL**













#### IN VIVO



#### IN VIVO









N Ν н U Ν S

#### **Neuron Cultures**

- DRG
- Cortex
- Hippocampus
- Others...

PATCH CLAMP



#### **Brain slices**

MULTI ELECTRODE ARRAY

PATCH CLAMP



#### **Spinal cord slices**

MULTI ELECTRODE ARRAY

PATCH CLAMP



#### Free moving rodent

SPINDLES

RIPPLES

SINGLE UNITS

**OPTOGENETICS** 





SPINAL CORD SINGLE UNITS



Sleep-awake analysis



#### Behavioral analysis

**AFFECTIVE DISORDERS** 

**COGNITIVE DISORDERS** 

HEARING DISORDERS

MOTOR DYSFUNCTIONS



#### **Neurodegenerative Diseases** (PD models)

**COGNITIVE TESTING** 

KINEMATIC ASSESSMENTS





M Α

#### PNS (DRG)

PATCH CLAMP

**CALCIUM IMAGING** 



**Brain tissue** (Cortex / Hippocampus)

PATCH CLAMP





#### Clinical trials consulting services

We offer expert guidance, from regulatory concerns to establishing your clinical trial strategy and connection you with our experts and patients network.









**Induced Pluripotent** Stem Cells (IPSC)

PATCH CLAMP





### **OUR VALUE PROPOSITION**

FUNCTIONAL INVESTIGATIONS FOR CNS DRUG DISCOVERY

**Screening** 

Lead optimization & Pre-clinical development

IND

#### UNIQUE EXPERTISE IN NEUROPHARMACOLOGY









Every scientific question is **unique** and so is every solution

We CO-design custom solutions with our clients



## THE ALLIANCE: STRONGER TOGETHER

















































Worldwide clients

**Studies** 

Scientific experts

Years of cumulated experience



## BENEFITS







#### **Research Institute**

Value existing Intellectual property through external collaboration with pharma industry worldwide



#### **CRO specialized in CNS**

Value their expertise through proactive Marketing & sales worlwide exposure



## CRO with CNS & other activities

Boost CNS expertise exposure



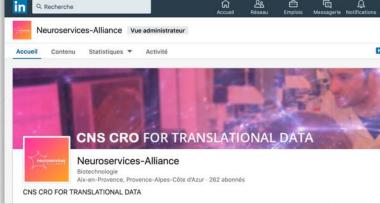






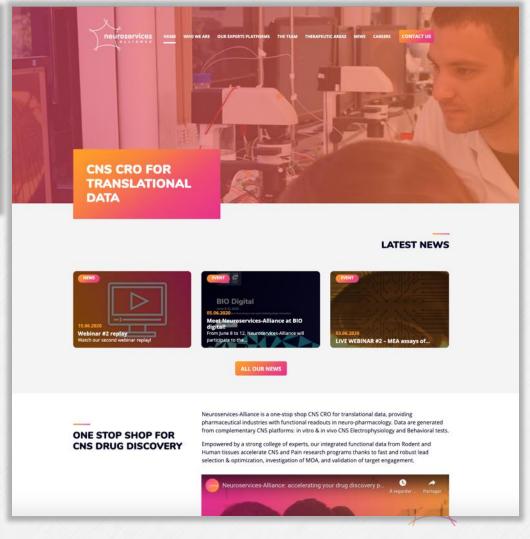
#### ACTIVE PROMOTION VIA OUR ONLINE PRESENCE





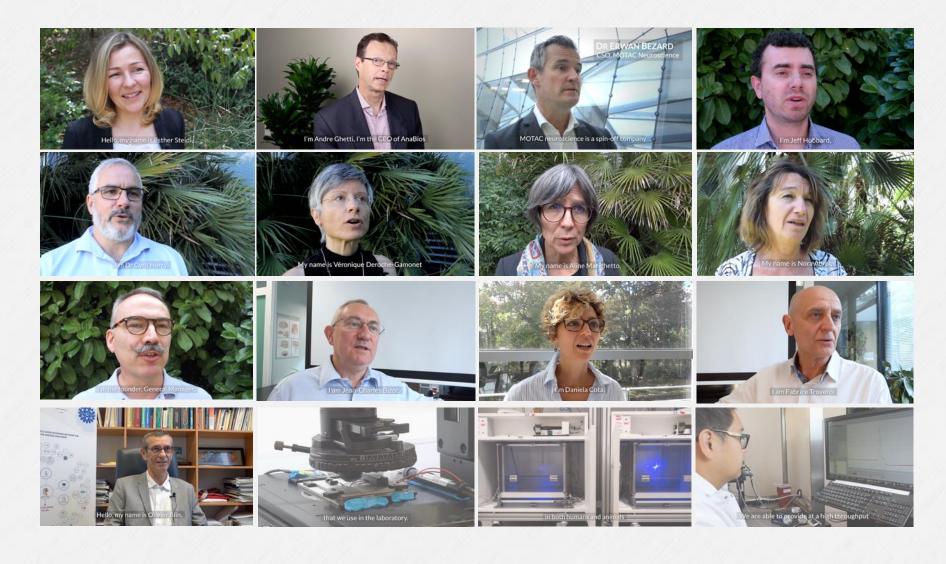
### Frequent publications for Alliance & Members

- News
- Events
- Solutions





### WE VALUE OUR EXPERTS







OFFLINE PROMOTION OF THE ALLIANCE & CLOSE RELATIONSHIPS WITH CLIENTS

















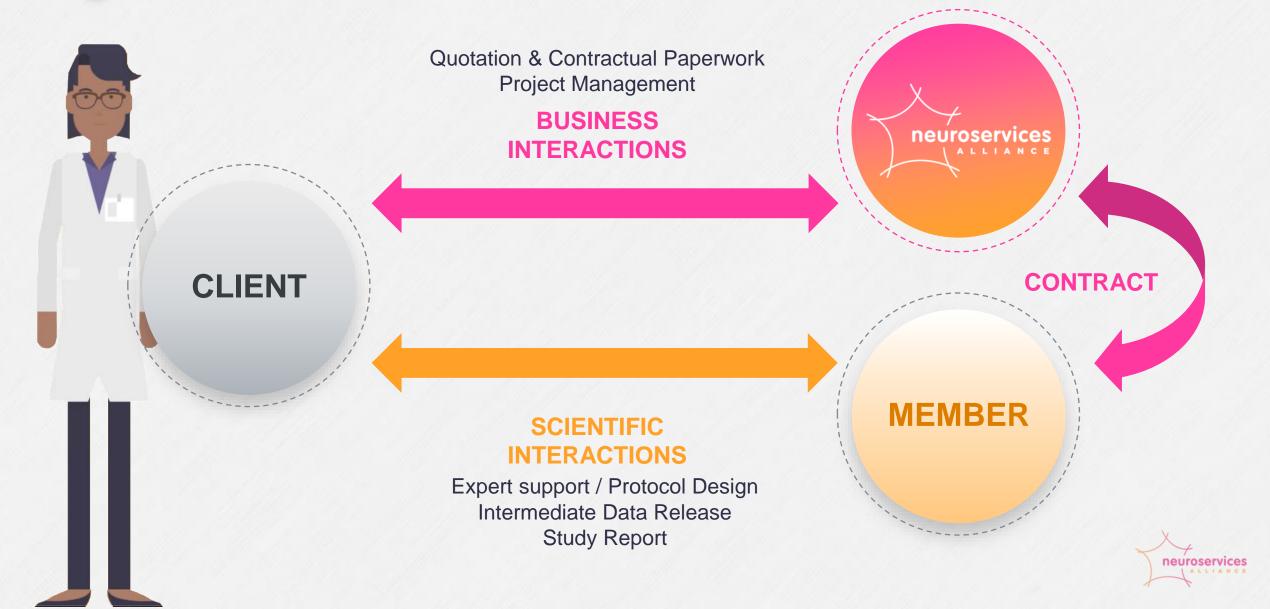








## **BENEFITS FOR CLIENTS**



## **OUR VISION**







+ Reinforce NSA solutions

## REINFORCE JOINT R&D PROGRAMS

- + Value creation within the alliance
- + Differenciation







- + Direct interactions with clients
- + Visibility



### OUR GOAL

To become the <u>leader CRO</u> WorldWide of functional endpoints for CNS and Pain pre-clinical programs



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