



NeuroMod

Institute for Modeling in Neuroscience and Cognition

08.10.2019

# Who are we?

**We are transdisciplinary!**

About **170 permanent researchers** from **various scientific fields**, most of them **locally based**: UCA, CNRS, Inria, Inserm, CHU...

[neuromod.diff@listes.univ-cotedazur.fr](mailto:neuromod.diff@listes.univ-cotedazur.fr)



## COGNITION

MSHS, BCL, GREDEG,  
LAPCOS, LHAMESS, COBTEK  
~ 20



## MODELING

LJAD, I3S, INRIA, LEAT,  
LAGRANGE, INPHINI, ICN ~ 80



## HEALTH

CENTRE MÉMOIRE,  
NEUROSCIENCES CLINIQUES,  
IMAGERIE, GÉRONTOLOGIE,  
CHU LENVAL, FRIS ~ 20



## BIOLOGY

IBV, IPMC, LP2M ~ 50

# History of NeuroMod

**2013**

Launch of MTC-NSC, an interdisciplinary axis of UNS (+ CNRS and Inria)



**Spring 2016**

Call for “expression of interest” by UCA-Jedi



**Fall 2016**

Creation of the structuring program **C@UCA** (1 among 9): *Cognitive systems, normality and pathology of the human brain, and computational neuroscience*

*C = « Cerveau, Cognition, Comportement, Collectif, Clinique, Computationnel »*



2 projects in **2016** : MNC3, From Mind to Brain  
1 project in **2017**: Computabrain  
30 – 50 smaller projects (few thousands euros)



# History of NeuroMod

2 successful conferences in 2017 and 2018 as C@UCA.  
In 2018 a think tank came to expertise us and  
evaluated our work very positively.

*NeuroMod is the first interdisciplinary institute  
funded by Université Côte d'Azur!*

- Official Institute status since the 1<sup>st</sup> of January 2020
- Our inauguration will take place the 23<sup>rd</sup> of March,  
at "le Galet" in Nice!

*\* NeuroMod \**

Our name was voted by the scientific committee and  
stands for Modeling in neuroscience and cognition

# What we do in a nutshell



Creating strong bonds between disciplines in order to develop the research in neuroscience and cognitive science with modeling as a common language



We work hand in hand on new projects, research topics and our training program

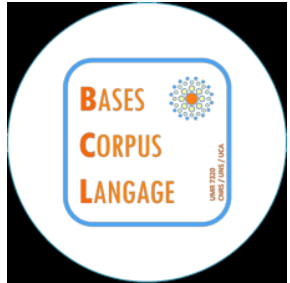


We primarily focus on local resources, and we foster cooperations with local actors!



We fund relevant projects for our institute such as the participation/organization of conferences, investments in small material, job positions...

# Scientific board = 25 researchers from different disciplines



# Executive board



**Director:** Patricia Reynaud-Bouret  
**Co-director :** Alexandre Muzy

**Board:** Patricia Reynaud-Bouret,  
Alexandre Muzy, Tobias Scheer,  
Massimo Mantegazza, Bruno  
Cessac

**Administration :** Chloé Bourgeois,  
Amandine Laloë-Verdelhan



# Achievements of the year 2019



Two big events: first Conference with the whole NeuroMod community in July and our first Colloquium in December



Other events: Minicourses (~ 1 per month), lecture serie “Future challenges in neuroscience and cognitive sciences” (every 3 months), PhD seminar, Café Neuro



New premises: 2 offices and 1 meeting room at Inria Sophia Antipolis



2 Call for proposals (one permanently open and one was for project and research support)



We granted 2 postdoc positions & hired 1 technical engineer for the CoColab





# Two training programs



**Two Master programs** are hosted by the Institute (and not by EUR)

**International M.Sc. Mod4NeuCog** (Modeling for neuronal and cognitive systems) <http://univ-cotedazur.fr/en/idex/formations-idex/mod4neucog>

**Master National de Sciences Cognitives** opened in September 2019

Two tracks : experimentation or modeling, in French



## M.Sc. Mod4NeuCog : A personalized interdisciplinary training program

- Opened in September 2018
- 13 students in total (some have already plans for Phd thesis or job offers)
- Our students have very different backgrounds, they are highly motivated with skills in modeling, statistics and neuro-cognition

**In M1:** 9 weeks internship to do in the Labs of Univ. Côte d'Azur

**In M2:** 5 months internship here and 5/6 months abroad or in a company.

*Our Master of Science benefits now from the national equivalence to a master degree (accréditation nationale)*

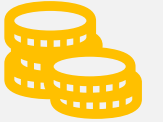
# Next Steps ?



ESTABLISH A SUSTAINABLE  
STRUCTURE, IN ACCORDANCE TO  
OUR INSTITUTE STATUS



**EVALUATION OF IDEX UCA-  
JEDI IN 2020**



(HOPEFULLY) FUNDS FROM  
THE **NEW CALL PIA 3** WHERE  
THE UNIVERSITY WILL APPLY



FOSTER LINKS WITH **3IA  
CENTER**



LAUNCH OF THE NEW  
**RECRUITMENT CAMPAIGN  
FOR OUR MSC**



FOCUS ON  
**COMMUNICATION  
STRATEGY (FILM-MAKING)**

# Next Steps ?



Save the date! **Official inauguration is the 23rd of March** (Le Galet, Nice)



Launch of our new **call for doctoral application**



Get **more companies** involved in the institute



**Keep going the good work** and collaborations !



NeuroMod

THANK YOU FOR YOUR  
ATTENTION !

For more info visit our [NeuroMod](#)  
website