

## IDEA Spark Cantabria 2019

<b>Reference #</b>	12959422
<b>Status</b>	Complete
<b>Login Username</b>	Yorca
<b>Login Email</b>	angel.yorca@metodosancal.com
<b>Project Title</b>	Sancal Method
<b>Short project title (max 20 alpha-numeric characters)</b>	Cognitive stimulat
<b>How long have you (or your team) been working on this project?</b>	From March 2016
<b>How many people are on your project team? (Count only those who will be involved in doing the work of the program and/or those you would like included on any email communications from the program. Note that each person will need to submit a registration form; instructions will be provided after this application is submitted. )</b>	4
<b>Applicant name:</b>	Angel
<b>Applicant E-mail address (when you submit, a copy of your entry will be sent to this email)</b>	<a href="mailto:angel.yorca@metodosancal.com">angel.yorca@metodosancal.com</a>

**Project Description:**

**Provide a brief overview of your project.**

**Please comment on the problem you propose to solve and the potential societal impact of solving it. This should be understandable and compelling to someone not skilled in the art.**

The Sancal Method is the first therapy linking Neuroscience, Music and Technology. We apply accumulated knowledge generated about how learning to play a musical instruments influent in the damage brain.

Cognitive impairments after a brain injury, stroke, neurodegenerative disease and oncology treatments affect the quality of life of many people. They have problems concentrating, maintaining attention, remembering words among other. A great part of the affected population can't return to their activities of daily life, costing large amounts of money and suffering.

Overwhelming scientific research shows that music training is the best brain-stimulating activity as we see changes in both structural and functional areas of the brain. Training music, specifically playing piano, is the activity that has the greatest impact at the brain level. Sancal Method is a new way for cognitive stimulation were to participate motor, visual and auditory systems in time conecting brain areas that can not happen otherwise.

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**Have there been any previous approaches to solving this problem (or answering the question)?**

**Please describe how your idea is original.**

Currently, cognitive impairment are treated with cognitive stimulation, because there are nowadays no effective pharmacological or therapeutic alternatives. Cognitive stimulation is provide for neuropsychologists in medical practice, being an expensive services in time and money. In addition, this classical stimulation would been dull and only use one perception sistem (visual, audotory or motor). Cognitive stimulation platforms are growing and they are presented as a good alternative to this traditional stimulation of pencil and paper, but the people affected are increasingly prepared for these games. This group of people could be motivated more while training cognitively

We use a digital piano and we connect it via midi-usb to a computer. Through our software, the user accesses the online therapy program, with the support of Sancal's Virtual Expert, which is responsible for content personalization and tracking improvements by monitoring specific parameters. In this way we have created a specific methodology for each group, with exercise based musical language designed to work with different cognitive abilities (attention, memory, executive functions).

We use Big Data, so we will be contributing knowledge to the scientific community. Our method is designed so that no previous musical knowledge is needed before undertaking Sancal. In addition, methodology is gamified, therefore patiens forget that they are rehabilitating

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**Tell us something interesting about yourself  
(and your team)**

Sancal Method is composed of multidisciplinary professional group from neuroscience, music and technology. We are a young people that enjoy our work. In addition to our main studies, we also dominate other areas so we are a multifaceted groups, because we all learns from each other.

We were won with diferents prize:

- Juzz 2016 - Entrepeneur (Santander Bank)
- Technology-based company (SODERCAN)
- "Emprendedor XXI (Caixa Bank)

We are working with two hospitals researching:

- Cognitive Impairment in Cancer Survivors (Hospital Marqués de Valdecilla, Cantabria, Spain)
- Child and youth psychiatry and cognitive stimulation (Hospital Marqués de Valdecilla, Cantabria, Spain)
- Multiple sclerosis and cognitive reserve (Hospital Virgen Macarena, Seville, Spain)

**Why do you want to participate in the program and what do you hope to gain from the program?**

MIT is one of the leading universities in our field of neuroscience, and we would greatly benefit from their shared expertise on the program

**Last Update**

2019-04-17 12:34:21

**Start Time**

2019-04-17 12:17:32

**Finish Time**

2019-04-17 12:34:21

**IP**

90.77.133.194

**Browser**

Chrome

**OS**

Mac

**Referrer**

<https://fs24.formsite.com/res/formLoginReturn>

## Registration for IDEA Spark

Reference #	12975886
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Sancal Method
First Name	Christian
Last Name	Vélez
Preferred name (for name tags)	Christian
Institution or organizational affiliation	Sancal Method
Degree	MS
Role in Institution	<ul style="list-style-type: none"><li>• Other:</li><li>• CMO</li></ul>
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In what way will you be participating in IDEA Spark?	e-communication access only (not participating)
Last Update	2019-04-23 04:35:34
Start Time	2019-04-23 04:29:44
Finish Time	2019-04-23 04:35:34
IP	90.77.133.194
Browser	Chrome
OS	Mac
Referrer	N/A

## Registration for IDEA Spark

Reference #	12975885
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Sancal Method
First Name	Daniel
Last Name	Jato
Preferred name (for name tags)	Daniel
Institution or organizational affiliation	Sancal Method
Degree	PhD
Role in Institution	<ul style="list-style-type: none"><li>• Other:</li><li>• CTO</li></ul>
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In what way will you be participating in IDEA Spark?	e-communication access only (not participating)
Last Update	2019-04-23 04:29:38
Start Time	2019-04-23 03:11:55
Finish Time	2019-04-23 04:29:38
IP	90.77.133.194
Browser	Chrome
OS	Mac
Referrer	<a href="https://fs24.formsite.com/MITLinQ/idea_spark_registration/index.html">https://fs24.formsite.com/MITLinQ/idea_spark_registration/index.html</a>

## Registration for IDEA Spark

Reference #	12975887
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Sancal Method
First Name	Marián
Last Name	Sánchez
Preferred name (for name tags)	Marian
Institution or organizational affiliation	Sancal Method
Degree	MS
Role in Institution	<ul style="list-style-type: none"><li>• Other:</li><li>• CEO</li></ul>
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In what way will you be participating in IDEA Spark?	e-communication access only (not participating)
Last Update	2019-04-23 04:37:27
Start Time	2019-04-23 04:35:38
Finish Time	2019-04-23 04:37:27
IP	90.77.133.194
Browser	Chrome
OS	Mac
Referrer	N/A

## Registration for IDEA Spark

Reference #	12981109
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Sancal Method
First Name	Ángel
Last Name	Yorca
Preferred name (for name tags)	Ángel
Institution or organizational affiliation	Sancal Method
Degree	MS
Role in Institution	Entrepreneur
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Country (if US, enter State)	Cantabria
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In what way will you be participating in IDEA Spark?	In person
Last Update	2019-04-25 12:28:43
Start Time	2019-04-25 12:28:10
Finish Time	2019-04-25 12:28:43
IP	90.77.133.194
Browser	Chrome
OS	Mac
Referrer	N/A