

CoBeN

Novel Network-Based Approaches for Studying Cognitive Dysfunction in Behavioural Neurology

H2020-MSCA-RISE-2016-734718

D5.4 – Project website

Work Package:	WP5
Task:	-
Deliverable due	30.4.2017
date:	
Responsible partner:	MU
Deliverable number:	D4.5
Deliverable type:	R
Dissemination level:	PUB

This deliverable is a report on a structure and content of CoBeN project website that has been set up on a CEITEC domain and uploaded to this location: <u>http://coben.ceitec.cz/</u>

A screenshot of the title landing site of CoBeN









Project Kick-off Meeting 13.06.2017 Read more »

About project

The project will employ novel behavioral paradigms and state-of-the-art imaging techniques to:

 identify neural underpinnings of language, speech and cognitive impairment in different patient groups (stroke, Parkinson's disease, dementia) across three languages (Czech, English, Hunggarian), ungraud the therapeutic potential of NBS (unclinasities action) by targeting and

The main horizontal menu consist of the following items:

- 1) **PROJECT**
- 2) WHO WE ARE
- 3) EVENTS
- 4) MEDIA
- 5) CONTACTS
- 6) LINKS

Based on our experience with similar project, we regards this layout as adequately clear and sufficient.

However, this basic structure may change during the implementation for us to achieve a more immediate impact and time-on-site (e.g, once we have first results, the "Results" item can be moved directly to the main horizontal menu).

Project administrator is in charge of the website administration and develops the content together with the project coordinator, project manager and specified junior members of the team.

Details on the concept of the individual sites and screenshots of their current appearance is presented below.

BULLETIN

1) PROJECT (<u>http://coben.ceitec.cz/summary/</u>)

- The project summary a brief introduction based on the abstract of CoBeN
- Plans and **objectives** of the project the overarching aim of the activity and specific objective of each work-package
- A list of completed **secondments**, secondments being carried out, and secondments planned for the next 12 months; this site will also contain reports of seconded staff adopted in a way that can be presented to general public
- **Results** the results of CoBeN, be it publications, dissemination activities or other notably outcome will be presented under this section

See N WHO WE ARE EVENTS PROJECT MEDIA CONTACTS LINKS Summary Plans and objectives Secondments PROJECT > PLANS AND OBJECTIVES OF MAFIL Results **Plans and Objectives** General Goal To se líbí vám a 9 přátelům We will employ Behavioural Neurology approaches to study universal, language-specific, and disease-A 🔽 💦 🖉 specific neural network architectures underlying reading/spelling, motor control of speech and handwriting, and visual processing. Prof. Rapcsak's (UofA) knowledge and expertise lies specifically in Behavioural Neurology which does not exist as a clinical specialization in either the Czech Republic (MU) or Hungary (USZ). f CF MAFIL This will be the main transfer of knowledge to our European countries. Our work is split into 5 WPs. Letní vydání našeho bulletinu je zde! WP1 Universal and language-specific neural network architectures for reading and Prohlédněte si, co je u nás spelling nového. Na závěr jsme vám připravili The overarching goal of our research project is to identify similarities and differences in neural network speciální překvapení, tak si architectures for reading and spelling in shallow (Czech and Hungarian) vs. deep (English) orthographies by ho nenechte ujít 🙂 http://bit.ly/2uQjK03 exploring, for the first time, whether variations in orthographic depth have a measurable impact on patterns of regional brain activation and network connectivity during reading/spelling in normal subjects and on the

A screenshot of the PROJECT site

Specific aims:
To conduct a cross-linguistic functional imaging study of reading and spelling in healthy English, Czech,

behavioural profiles and lesion correlates of acquired alexia/agraphia in neurological patients.

- and Hungarian speakers to determine whether orthographic depth has an influence on patterns of brain activation and network connectivity. • To conduct a cross-linguistic study of written language processing in English, Czech, and Hungarian speakers with anhacid due to stroke or peurodegenerative disease (AD/DPA) to determine whether
- speakers with aphasia due to stroke or neurodegenerative disease (AD/PPA) to determine whether orthographic depth has an influence on the behavioural profiles and lesion correlates of acquired alexia/agraphia.

WP2 Motor networks for speech production

2) WHO WE ARE

This section give a brief introduction of:

- The **labs** involved in the project implementation presenting their main research foci and their role in the project
- The **researchers** involved in the project implementation presenting a brief profile of each researcher and a portrait photograph. The profiles usually include also link to further information on the researcher, be it ResearchGate link or a profile on a institutional website. This gives the researcher working on the project an opportunity to presented themselves and increase their recognition in the field, which is one of the MSCA overarching goals

Seco Be N EVENTS PROJECT WHO WE ARE MEDIA CONTACTS LINKS eeciiviiai iuwi ii ui ig amaiysis Researchers ResearchGate profile Labs CF MAFIL Patrícia Klobušiaková Patricia is a student of General Medicine at Masaryk University (Brno), a participant of pilot MD/PhD programme. In her research she focuses on neurodegenerative diseases imaging using various MRI techniques. In CoBeN project she works on MR data analysis (also acquirement) and the interpretation of results. Martin Gajdoš Martin graduated from Brno University of Technology in Biomedical Engineering and Bioinformatics, 2012. He is part of the Core Facility CF MAFIL. His research focuses mainly on development of methods for analysis of fMRI data In CoBeN he participates in statistical analysis of behavioral data and in GLM and CF MAFIL connectivity analyses of fMRI datasets. ResearchGate profile

A screenshot of the WHO WE ARE site





Alžběta graduated from Brno University of Technology in Biomedical Engineering and Bionformatics. Currently she is a PhD student in Applied Neuroscience Research Group. She focuses mostly on diffusion and functional MRI and neurodegenerative disorders such as Alzheimer's and Parkinson's disease and related dementias.

Within CoBeN she is involved in MR data acquisition and analysis of the image data.

ResearchGate profile

ResearcherID profile

3) EVENTS

This site is to present events organised in the framework of CoBeN project. For users' convenience and quick orientation, the Events are divided into "past" and "upcoming".

This will include primarily workshops for scientific community, but also events aimed at general public, as describe in the WP5 on dissemination.

In some relevant and well justified cases, we may presented here also contributions to conferences or other dissemination activities resulting from the project.

CoBeN PROJECT WHO WE ARE MEDIA CONTACTS LINKS Past Events **Upcoming Events** ★ > EVENTS CF MAFIL **Events** Zde si můžete doplnit obsah nového článku. Chcete si vyzkoušet zajímavou a moderní vyšetřovací metodu a přispě k neurovědnímu výzkumu? žete ziskat: CF MAFIL f

A screenshot of the EVENTS site

4) MEDIA

The site is dedicated to any media content to be generated throughout the project implementation. This include not only outputs planned in the Description of Work (WP5), but also any other media content directly or indirectly related to CoBeN-related team and topics.

The goal is to not only promote the project, but also the partners, their research activities and future plan. To overall aim is to develop further collaboration and increase international recognition in the field of behavioural neurology and neuroscience.

A screenshot of the MEDIA site



(19th June 2017) Irena Rektorová patří k předním českým neurologům, kteří se zabývají onemocněními spojenými s degenerací mozku, jako je Parkinsonova nebo Alzheimerova nemoc. V březnu se svým týmem z Ceitecu MU navíc spustila jako hlavní koordinátor mezinárodní projekt, jenž je mezi nejlepšími tuzemskými projekty v prestižním programu Horizon 2020 a je unikátní i svým zaměřením.

5) CONTACTS

This site provides a quick information on the main contact persons of the project, specifically the coordinator, Principle investigators at the partner institutions and the team related to the management of the project.

A screenshot of the CONTACTS site



6) LINKS

This site has been added to promote the project and topic related websites and information and is to be build up gradually throughout the project.



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