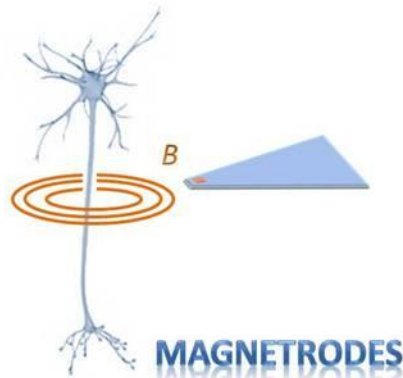




**SEVENTH FRAMEWORK  
PROGRAMME**  
**Future and Emerging Technologies  
Collaborative project**



**Deliverables D7.1**

Web page

**Project acronym:** MAGNETRODES

**Full title:** Electromagnetic detection of neural activity at cellular resolution

**Project number:** 600730

**Call identifier:** FP7-ICT-2011-9

**Funding scheme:** Collaborative project

**Starting date:** January 1<sup>st</sup>, 2013

**Duration:** 36 months

**Due date to the deliverable:** Month 3

**Send date:** March 26<sup>th</sup>, 2013

**Lead partner:** CEA

**Classification:** **Public**

## Executive summary of achieved results:

A web site for the Magnetodes project has been created and opened online. This web site contains information on the project, and is meant to be feed with information and news during the project lifetime.

## Description:

The website can be reached at the following addresses:

[www.magnetodes.org](http://www.magnetodes.org)

[www.magnetodes.com](http://www.magnetodes.com)

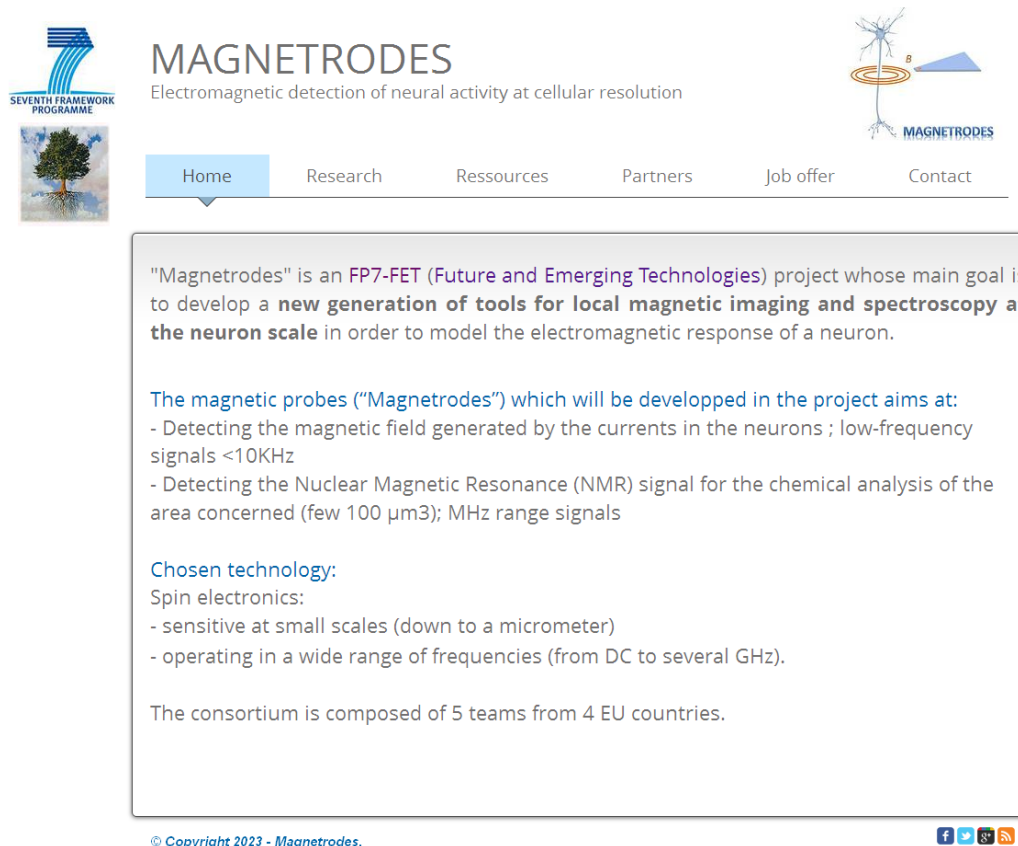
[www.magnetodes.eu](http://www.magnetodes.eu)


The website contains information on the project (identification/summary/objectives...) and on the partners.

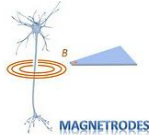
It contains also some scientific and technical information, which be enriched all along the project (for instance by including some materials from the training sessions).

The site has also sections on publications and links, in particular to other EU-funded projects. It has also a job offer section, and contact page.

Below the homepage of the site:



 **MAGNETRODES**  
Electromagnetic detection of neural activity at cellular resolution



Home Research Ressources Partners Job offer Contact

"Magnetodes" is an **FP7-FET (Future and Emerging Technologies)** project whose main goal is to develop a **new generation of tools for local magnetic imaging and spectroscopy at the neuron scale** in order to model the electromagnetic response of a neuron.

**The magnetic probes ("Magnetodes") which will be developed in the project aims at:**

- Detecting the magnetic field generated by the currents in the neurons ; low-frequency signals <10KHz
- Detecting the Nuclear Magnetic Resonance (NMR) signal for the chemical analysis of the area concerned (few 100  $\mu\text{m}^3$ ); MHz range signals

**Chosen technology:**  
Spin electronics:

- sensitive at small scales (down to a micrometer)
- operating in a wide range of frequencies (from DC to several GHz).

The consortium is composed of 5 teams from 4 EU countries.


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Figure1. Snapshot of the website homepage.