

Nanotecnologie

PARTNER SEARCH NMP7-PT-SMCP-1

01 dicembre 2017

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Ricerca partner di una impresa israeliana interessata a partecipare al Settimo Programma Quadro all'interno del topic NMP-2008-1.1-1, con un progetto dal titolo: "Novel fast, ultra-sensitive, non invasive biosensor based on magneto-transport properties through nano particles".
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<Reference n.: NMP7-PT-SMCP-1>

<Deadline: 29/02/2008>

<Programme: >

<Project Title: Novel fast, ultra-sensitive, non invasive biosensor based on magneto-transport properties through nano particles>

<Financial Scheme: >

<Description: The main objective of this project is to develop novel fast, ultra-sensitive, non invasive biosensor based on a single conductive magnetic nano-particle connected to magnetic electrodes. The hypothesis of the operation is based on the fact that the magneto-transport properties through the particle strongly depend on various objects connecting to the particle surface. Hence, antibodies will be bind to the particle in order to selectively connect pathogens/viruses (such as influenza virus) to the system. Measuring the transport properties will then determine the presence of the pathogen/viruse.

Keywords:

Biosensor, magnetic nano-particles, particle surface, antibodies, pathogens/viruses>

<Organisation Type: Impresa>

<Partner Sought: Role:
technology development, research.

Expertise required:

Biologist in the field of pathogens/viruses/ antibody;

Hospital as an end user (might do in-vitro research);

NanoChemistry;

NanoBio;

Magnetic biosensor;

Industry company in those fields

Modeling expert;

Medicinal researcher/company