

Medicina

# PARTNER SEARCH NMP7-PT-LCP-1

01 dicembre 2017

Oggetto: PARTNER SEARCH NMP7-PT-LCP-1

Ricerca partner di una impresa israeliana interessata a partecipare al Settimo Programma Quadro all'interno del topic NMP-2008-4.0-1, con un progetto dal titolo: "Computationally designed nanoparticles to mimic antibodies activity and bind specifically to inflammation-related proteins".

Contattare maracchia@apre.it

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<Reference n.: NMP7-PT-LCP-1 >

<Deadline: 29/02/2008 >

<Programme: >

<Project Title: Computationally designed nanoparticles to mimic antibodies activity and bind specifically to inflammation-related proteins >

<Financial Scheme: >

<Description: MIMIC project will explore the use of short peptides (nanoparticles) that mimic the CDR to bind target proteins that are related to chronic inflammatory disease.

Particular attention will be given to naturally occurring nanomolecules that act as antibodies. For examples, Camelides (camels and llamas) have naturally occurring antibodies - known as nanobodies - whose size is about one tenth of the size of other known antibodies. MIMIC will explore the possibility of engineering nanobodies to bind to inflammation-related proteins.

MIMIC will develop computationally designed nanoparticles that mimic the activity of antibodies and could bind specifically to disease related (inflammation-related) proteins. This will open the door for the use of these nanoparticles as drugs and diagnostic tools for

almost any disease or condition.

Keywords:

CID, Inflammatory diseases, nanobodies, peptides, antibodies, computationally designed nanoparticles, in-vitro study.

<Organisation Type: PMI >

<Partner Sought: Role:

technology development; research.

Expertise required:

Biologist in the field of antibodies;

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

NanoChemistry;

NanoBio;

Biologist and Medicinal Chemists in the field of Inflammatory diseases;

Industry company in those fields

Modeling expert;

Medicinal researcher/company