Enabling the European Nanomedicine Area until 2020

From 2012-09-01 to 2014-02-28, closed project

Objective

Nanotechnology applied to medical applications, Nanomedicine, is one of the most important emerging areas of health research and is understood to be the most promising out of the six KETs, for innovative devices and materials for personalised, targeted and regenerative medicine. However, due to the complexity of technologies and medical application areas Nanomedicine requires many different so far independent stakeholders from academia, industry and regulatory bodies. Due to the diversity of stakeholders the partners of this project will initiate a strong coordination and support action to build a pertinent European Nanomedicine community involving all key players necessary to define the resources, gaps and needs for development and implementation of nanomedical research into marketable innovations to be used by doctors for the benefit of patients. The implementation concepts will also target the initiation of Public Private Partnerships for the creation of novel infrastructures and innovative funding programmes.

Nanomedicine research is growing fast in many countries. Therefore, the project consortium will initiate international collaborations in the Nanomedicine area, especially the coordination of international regulation of Nanomedicine products. The partners involved in the project represent major European networks combining academia, industry, clinicians and public authorities. Based on this strong partnership and after integration of further national and European initiatives the output of this support action will be a strong, established partnership of relevant stakeholders in identified key areas of Nanomedicine with new concepts for translation of nanomedical innovations into clinical practice and efficient and transparent communication channels. This will make Nanomedicine an important contributor to the future European healthcare system with a beneficial impact on improved treatment for patients and on social challenges such as ageing population.

Related information

Report Summaries

Final Report Summary - NANOMED2020 (Enabling the European Nanomedicine Area until 2020)
Coordinator

VDI/VDE INNOVATION + TECHNIK GMBH  
Steinplatz 1  
10623 BERLIN  
Germany  
EU contribution: EUR 176 817,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Nicolas Gouze  
Tel.: +49 30 310078 209  
Contact the organisation

Participants

EUROPAISCHE STIFTUNG FUR KLINISCHE NANOMEDIZIN  
ALEMANNENGASSE 12  
4016 BASEL  
Switzerland  
EU contribution: EUR 89 880

Activity type: Other

Administrative contact: Beat Löffler  
Tel.: +41 61 695 93 95  
Contact the organisation

INSTITUTO DE SALUD CARLOS III  
MONFORTE DE LEMOS 5  
28029 MADRID  
Spain  
EU contribution: EUR 49 969

Activity type: Research Organisations

Administrative contact: Miguel Angel Cabo  
Tel.: +34 91 8222764  
Contact the organisation

GESELLSCHAFT FUR BIOANALYTIK MUNSTER EV  
Mendelstrasse 11  
48149 MUNSTER  
Germany  
EU contribution: EUR 39 590

Activity type: Research Organisations

Administrative contact: Klaus-Michael Weltring  
Tel.: +49 251 9801212  
Fax: +49 251 9801213  
Contact the organisation
NANOBOTIX SA
RUE DE WATTIGNIES, BATIMENT B 60
75012 PARIS
France

See on map

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Laurent Levy
Tel.: +33 1 40 26 04 90
Contact the organisation

EU contribution: EUR 20 330

FONDAZIONE DON CARLO GNOCCHI ONLUS
PIAZZALE RODOLFO MORANDI 6
20148 MILANO
Italy

See on map

Activity type: Research Organisations

Administrative contact: Furio Gramatica
Tel.: +39 02 40308305
Fax: +39 02 4048919
Contact the organisation

EU contribution: EUR 44 993,50

STIFTELSEN SINTEF
STRINDVEIEN 4
7034 TRONDHEIM
Norway

See on map

Activity type: Research Organisations

Administrative contact: Tove L. Hønstad
Tel.: +47 982 43 437
Fax: +47 73 596 995
Contact the organisation

EU contribution: EUR 78 067,20

Subjects

Scientific Research

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