Rapid Field Diagnostics and Screening in Veterinary Medicine

Fact Sheet

Project Information

RAPIDIA-FIELD
Grant agreement ID: 289364
Status
Closed project
Start date 1 January 2012
End date 30 June 2015

Funded under
FP7-KBBE
Overall budget € 4 329 665,20
EU contribution € 2 998 669

Coordinated by
INMUNOLOGIA Y GENETICA APLICADA SA
Spain

Objective

This proposal addresses the call under KBBE.2011.1.3-02: Development of field test for rapid screening of pathologies as well as simple laboratory test in animals.

Sustainable food production capable of feeding a growing global population is a significant challenge that is faced by agricultural industries throughout the world. The demand for safe, efficient and high quality animal protein will rise significantly over the next decade with a concomitant increase in the world population of domesticated livestock. Infectious diseases continue to impact upon the productivity of farm animals and threats of disease incursions are further increased by the globalised trade of animals and animal products. Rapid and reliable diagnostic systems can play an integral role in the detection, monitoring, control and subsequent eradication of animal diseases and pathologies.

This proposal will develop and bring to market new tools to achieve effective
diagnosis of livestock, companion animal and wildlife diseases. The project RAPIDIA-FIELD will develop multiplex pen-side tests that can be used to support local decision-making by animal health practitioners. These tests will be simple to perform, robust, inexpensive and also provide unambiguous results for easy reporting. This concept also includes work to develop test formats for use in non-specialised front-line laboratories.

In addition to the development of the specific tests and assay platforms, the project will also consider how these tests will be used in the field or in local laboratories, and how data generated by the assays will integrate with other new (and existing) systems that contribute to the diagnosis, monitoring, control and subsequent eradication of animal diseases. Aspects of this work will include real-time monitoring on line of animal health on farms to collect parameters such as feed consumption and water intake as well as using thermography or thermal chip to look for early signs of clinical disease. Together with the data generated by the assays, reporting protocols will also be established to ensure that the critical information collected is correctly archived and is traceable to international quality standards.

The project will also pay some attention to new technologies and protocols only carried out in sophisticated laboratories. The idea of this work is to position animal health in a new frontier of science that will maximise our chance to identify new diseases and problems before they become overt health threats.

Concluding, the proposed strategy is devoted to define, develop and bring to the society products and services that contribute to Animal Health control at field level.

Field of science

/medical and health sciences/basic medicine/pathology
/medical and health sciences/health sciences/infectious disease
/medical and health sciences/health sciences/infectious disease/RNA virus/coronavirus
/agricultural sciences/animal and dairy science/animal husbandry
/agricultural sciences/veterinary science

Programme(s)

Topic(s)

Call for proposal

FP7-KBBE-2011-5
Funding Scheme

CP-TP - Collaborative Project targeted to a special group (such as SMEs)

Coordinator

INMUNOLOGIA Y GENETICA APLICADA SA

Address
C/ Hermanos García Noblejas 41-2
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Spain

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

EU contribution
€ 670 960

Website
Contact the organisation

Administrative Contact
Eduardo Dominguez (Mr.)

Participants (11)

FRIEDRICH LOEFFLER INSTITUT - BUNDESFORSCHUNGSIINSTITUT FUER TIERGESUNDHEIT

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Christina Lange (Ms.)

PRIONICS AG

Switzerland
EU contribution
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8952 Schlieren

Activity type
Private for-profit entities (excluding Higher or...
PROPHYL ALLATEGESZSEGUGYI DIAGNOSZTIKAI KUTATO ES SZOLGALTATO KFT

- **Country**: Hungary
- **EU Contribution**: € 187 500

**Address**: Dozsa Gy Utca 18, 7700 Mohacs

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

**Administrative Contact**: Zsófia Benyeda (Dr.)

**Website**: Contact the organisation

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INSTITUTO NACIONAL DE TECNICA AEROESPACIAL ESTEBAN TERRADAS

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- **EU Contribution**: € 182 000

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**Activity Type**: Research Organisations

**Website**: Contact the organisation

**Administrative Contact**: Maria-Paz Blanco (Ms.)

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THE PIRBRIGHT INSTITUTE LBG

- **Country**: United Kingdom
- **EU Contribution**: € 213 000

**Address**: Ash Road Pirbright, GU24 0NF Woking

**Activity Type**: Research Organisations

**Website**: Contact the organisation
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<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
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<td>AGENCE NATIONALE DE LA SECURITE SANITAIRE DE L ALIMENTATION DE L ENVIRONNEMENT ET DU TRAVAIL</td>
<td>France</td>
<td>€ 185 852</td>
<td>14 Rue Pierre Et Marie Curie 94700 Maisons Alfort</td>
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<td>UNIVERSIDAD COMPLUTENSE DE MADRID</td>
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<td>Avenida De Seneca 2 28040 Madrid</td>
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<td>Belgium</td>
<td>€ 184 857</td>
<td>Groeselenberg 99 1180 Bruxelles</td>
<td>Research Organisations</td>
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STATENS VETERINAERMEDICINSKA ANSTALT
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