

COST Grant workplan

I. ACTION PROFILE

Domain: *FA*

Action no. and title: *FAO804 Molecular farming: plants as a production platform for high value proteins*

Chair: *Dr Kirsi-Marja Oksman-Caldentey*

START date: *27.11.2008*

END date: *26.11.2012*

Number of signatories: *23*

Number of non-COST members: *1*

Number of COST country entities (institutes, etc.) currently participating:

23 countries; 65 institutes

Number of non-COST entities (institutes, etc.) currently participating: *1*

Number of MC Members: *58 (including substitute members)*

Working Groups with numbers, titles and approximate number of members:

WG1 Strategic development of Molecular Farming; 44

WG2 Production systems and process development; 54

WG3 Target molecules assessment of (clinical) need and production feasibility; 27

II. DETAILED BUDGET

(1) MEETINGS

Management Committee Meetings

Location: *Olos, Finland*

Date: *19.4.2010*

Number of participants to be reimbursed: *20 (partial reimbursement)*

Travel costs: *8 000 €*

Organisational support: *600 €*

Location: *Naples, Italy*

Date: *8.10.2010*

Number of participants to be reimbursed: *26*

Travel costs: *19 000 €*

Organisational support: *780 €*

Working Group Meetings

WG1 Strategic development of Molecular Farming

Location: *Belgium*

Date: *May-June 2010*

Number of participants to be reimbursed: *25*

Travel costs: *15 000 €*

Organisational support: *750 €*

Annual meeting with all the working groups:

WG1 Strategic development of Molecular Farming;

WG2 Production systems and process development

WG3 Target molecules assessment of (clinical) need and production feasibility

Location: *Naples, Italy*

Date: *7.-8.10.2010*

Number of participants to be reimbursed: *26*

Travel costs: *19 000 €*

Organisational support: *780 €*

(2) SHORT TERM SCIENTIFIC MISSIONS (STSMs)

Number: 8

Costs: 20 000 €

(3) TRAINING SCHOOLS

None

(4) PUBLICATIONS, DISSEMINATION, OUTREACH

Title: Leaflet and other publications and dissemination material

Cost: 4 000 €

(5) SECRETARIAL COSTS

14.9 % of (1 to 5): 13 099 €

III. WORK PLAN

(1) OBJECTIVES

The main objective of the Action is to co-ordinate European efforts in MF and to ensure the rapid development and commercialization of products as well as the efficient establishment of a pipeline of second and third generation products that will sustain the industry for the next two decades.

WG1 Objectives during this grant period:

- Implement activities and apportion tasks relating to activities of the four Focus Groups, among all interested members of the Action.
- Identify and exploit synergies with WGs 2 & 3, by participating in WG2 and WG3 meetings and formulating and supplying information relevant to the activities of those WGs. Such input will take the form of written and oral reports and discussions.

WG2 Objectives during this grant period:

- Implement activities and data from ongoing Molecular Farming projects into the evaluation of the different plant production platforms.
- Identify and exploit synergies with WGs 1 & 3. Together with WG3 the objective is to identify plant expression platforms that are beneficial for the production of specific protein and vice versa.

WG3 Objectives during this grant period:

- Identify which molecules from the inventory made in the first year are promising candidates to produce from an industrial, clinical and academic point of view.
- Identify where industry, clinic and academia are congruent in their opinion on producing target molecules and where they diverge and why.
- Identify and exploit synergies with WGs 1 & 2. Together with WG 2 the suitability of different plant expression platforms for different targets will be identified.

(2) **ACTIVITIES**

WG1

- WG1 meeting in Belgium in May-June 2010 and in Naples in October 2010.
- Meetings with stakeholders and legislators etc. This is consistent with Focus Group activities.

WG2

- WG2 meeting in Naples in October 2010.
- The main objective is to identify advantages and disadvantages of the different plant expression systems based on the experience of the different COST Action members.
- Collect data and information to enable an evaluation of the various plant expression systems.
- Strategy for publishing a book or special journal issue on downstream technologies.

WG3

- WG3 meeting in Naples in October 2010.
- Identify which target molecules are relevant to produce from a clinical perspective
- Identify the feasibility to produce clinically relevant target molecules in a MF platform. For this aspect the information from WG2 is relevant.

(3) **OUTPUTS PLANNED FOR YEAR**

WG1

- Draft position paper on lowering regulatory burden for MF.
- Elaborate two short term objectives and two measurable outputs for each of the 4 Focus Groups in WG1
- Generate action plan to govern activities of all Focus Groups in WG1

WG2

- Data collection describing the status quo of the available plant expression systems.

WG3

- Make an inventory of molecules that potentially can be produced in a MF platform including the status quo of molecules which production in (a) MF platform(s) is currently in progress.
- “Refine” the inventory by identifying the clinical relevance.

COST Grant budget plan

Action no. and title: FAO804 Molecular farming: plants as a production platform for high value proteins

Grant period: 1.4.2010 – 31.3.2011

Allocated budget: 102 910 €

A. SUMMARY BUDGET

(1) MEETINGS	€ 63 910
(2) SHORT-TERM SCIENTIFIC MISSIONS	€ 20 000
(3) TRAINING SCHOOLS	
(4) PUBLICATIONS, DISSEMINATION, OUTREACH	€ 4 000
B. TOTAL SCIENCE EXPENDITURE (sum of (1) to (5))	€ 87 910
C. SECRETARIAL SUPPORT (max. of 14.9% of B.)	€ 13 099
D. TOTAL EXPENDITURE (B+C)	€ 101 000