WORKSHOP "From Systems Biology to Systems Medicine"

14-15 June 2010

Rue du Champs de Mars, 21
B-1050 Brussels
Building CDMA, Meeting room -1/ SDR2
Organized by the European Commission, DG Research
Directorate of Health, unit F.5

Agenda

Monday, 14 June 2010

09:00 Arrival and registration of participants - Coffee
10:00 Welcome and Introduction
10:05 Welcome & introduction
Dr Arnd Hoeveler, Head of unit F5- Health Biotechnology (10 mins)
10:15 Objectives of the Workshop
Dr Christina Kyriakopoulou, Scientific officer in the area of Systems Biology (10 mins)
10.30 Session 1- State-of-the-Art of Systems Biology applications in Medicine:
How systems biology approaches can realistically contribute to medicine and clinical applications, in the short, medium and long term
The Definition of Systems Medicine?
Chair: Dr Adriano Henney
10:30 Introductory presentation including preliminary analysis of the questionnaires' response by Chair, Dr Adriano Henney (20 mins)
10:50 Selected presentations of success stories of systems biology for the direct benefit to medicine (10 mins each)
10:50 “Systems biology approach to the personalization of cancer chronotherapeutics”, Prof. Francis Levi
11:00 “Modelling approaches for understanding of the mechanisms of pathogenesis and disease progression of Creutzfeld-Jakob disease”, Dr. Francois Iris
11:10 “Systems Approaches to Parkinson’s Disease”, Prof. Peter Wellstead
11:20 Discussion on session 1
12:30 - 13.30 Lunch Break

13:30 Session 2- Analysis of Systems Biology/ Systems Medicine Landscape:
Analysis on the strengths, weaknesses, opportunities and in particular on the bottlenecks for systems medicine to become a reality in Europe
Chairs: Prof. Olaf Wolkenhauer, Prof. Walter Kolch
13:30 Introductory presentation including preliminary analysis of the questionnaires' response by Chair, Prof. Olaf Wolkenhauer (20 mins)
13:50 “Technologies for systems medicine" by chair, Prof. Walter Kolch (10 mins)
14:00 Discussion on session 2

15:30 - 16.00 Coffee Break

16:00 Continued discussion on session 2

17:30 End of session 2

20:00 Dinner (at your own expenses)

Tuesday, 15 June 2010

09:00 Session 3- The Way Forward:
Priorities for strategic scientific & policy areas to be addressed through European collaboration in systems medicine in short, medium, long term

Chairs: Prof. David Harrison, Dr Adriano Henney

09:00 Introductory presentation including preliminary analysis of the questionnaires' response by Chair, Prof. David Harrison (20 mins)

09:20 Discussion on session 3

10:30 - 11.00 Coffee Break

11:00 Continued discussion on session 3

12:30 - 13.30 Lunch Break

13:30 Session 4- Funding bodies' discussion
Description of Systems biology activities by EC and representatives of National Funding agencies

Chairs: Dr Arnd Hoeveler-Head of unit, Dr Bernard Mulligan- Deputy Head of unit

13:30 "Health Collaborative research: Funding mechanisms", Dr Arnd Hoeveler (10 min)
13:40 "Results of the last Systems Biology call-Lessons to learn", Dr Bernard Mulligan (10 min)
13:50 “System biology initiatives for medical applications", Dr Hella Lichtenberg, representative of BMBF (10 min)
14:00 “System biology funding", Dr Tom Foulkes, MRC representative (10 min)
14:10 "A bridge between biology and medicine": Institute of Systems Biology in Luxembourg (LCSB), Prof. Rudi Balling (5 min)

14:20 Discussion on session 4

15:00 - 15.30 Coffee Break

15:30-16:30 Summarized conclusions of sessions 1,2,3,4 by session chairs (Adriano Henney, Walter Kolch, David Harrison)
Workshop follow-up- Publication of executive summary recommendations (Bernard Mulligan, Christina Kyriakopoulou)

16:30 End of workshop