

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