INBIOMEDvision: PROMOTING AND MONITORING BIO MEDICAL INFORMATICS IN EUROPE

Nour Shublaq¹ and Peter Coveney¹
¹Centre for Computational Science, Department of Chemistry, University College London, UK
n.shublaq@ucl.ac.uk

Overview
• Is a $1M European Coordination and Support Action project, funded by FP7-ICT.
• Start Data = 1 February 2011
• End Date = 31 January 2013
• Complementary expertise of seven partners: University College London (UK), University Pompeu Fabra (Spain), Fundacio IMIM (Spain), Danish Technical University (Denmark), Erasmus University Medical Centre (The Netherlands), Madrid Polytechnique University (Spain), and Institute de Salud Carlos III (Spain).
• 30 + experts committed to participate

Biomedical Informatics: The Challenge
• Biomedical Informatics (BMI) deals with the integrative management and synergic exploitation of wide-ranging and inter-related information generated in healthcare settings, biomedical research institutions and health-related industries.
• There are heavy barriers to achieving this; mainly a mutual ignorance between the bioinformatics community (“omics” research and systems biology) and medical informatics groups (focused on promoting healthcare and clinical research).

Objectives
• To promote the field of BMI by permanent monitoring of the scientific state-of-the-art and existing activities in the area, prospective analysis of the emerging challenges and opportunities, and dissemination of the knowledge to a wide range of experts.
• To develop the field of BMI by building bridges for the information transfer and integration between the basic research and the healthcare communities,
• To forge synergistic relationships between the two communities, and
• To help pave the way for the translation of Bioinformatics research to the clinical practice, as well as the re-use of clinical information by the research community.

Description of Specific Activities
• 3 Think tank activities (M3-M21): June/July 2011
invited individuals considered to be leaders/experts in their respective fields, from a wide range of relevant academic disciplines, clinical practice and industry.
  - Translational Bioinformatics (left to right arrow)
  - Research Re-use of Clinical Information (right to left)
  - Genotype/Phenotype resources
Outcome: a strategy report(s) on the current state of play in BMI and related fields, with ideas about possible areas to be promoted by means of topics in EU funded research.

• 2 Scientific Events (M7-M24):
large-scale, open to researchers in the EU and beyond foster integrative collaborations
1 workshop at VPH 2012 (Virtual Physiological Human Conference)

• Training Activities (M3-M24):
To ensure the adoption of new techniques by researchers, clinicians and industry (developers and researchers from VPH)

• Research Directory (M1-M24): Ongoing
Open to all, and over the web, subject to agreement from the individuals concerned facilitate communication and collaboration tools featured to search for researchers, or conduct discussions among special interest groups

INBIOMEDvision Partners