U-BIOPRED
(Unbiased BIOmarkers in PREDiction of respiratory disease outcomes)

→ a 5-year European project to understand more about severe asthma
Defining the problem

- Asthma is a major health problem around the world
- People with severe asthma cost more to treat than those with mild asthma
- Current treatments are not good enough
- Not everyone with severe asthma feels the same or needs the same treatment to make them feel better
Aims

• To understand more about the different types of severe asthma

• To consider each person individually before diagnosis

• To provide personalised management plans

• To overcome the difficulties that prevent new therapies
Difficulties in developing new medicines for severe asthma

The nature of disease

- Different types of severe asthma are poorly understood

Patient characteristics

- Unable to easily monitor how disease progresses

Results

- Unable to easily monitor whether treatment is affective

Disease changes

Physical trait to measure disease progress

- Models to predict how disease may progress

Treatment targets
What do we expect to achieve?

- Improve our understanding of severe asthma
- Be able to predict how asthma may progress according to an individual’s characteristics
- Refine the way severe asthma is diagnosed so that it is recognised on a global scale
- Share ideas and latest research via a central platform that is accessible to all
- Develop more effective treatments
How do we expect to achieve this?

A group of 40 organisations will carry out a large clinical study across Europe, to identify different types of asthma
U-BIOPRED

* Academic centres
* Patient organisations/ groups
* Small-medium enterprises (SMEs)
Achievements to date

- Clinical trials start April 2011
- Asthma art contest: show others what it is like to live with your condition
- Visit the website for further details